DINI ARGEO
Scales - Weighing systems

AF09GT

Program for static/dynamic axles weighing

STRUCTURE OF THE SET-UP - v8

ENGLISH

For 3590 series touch screen indicators

www.diniargeo.com

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Optimized layout for A4 print.

Introduction

Dear Customer,
Thank you for purchasing a DINI ARGEO product.

This manual illustrates in detail the configuration set up structure of the AF09GT program, specific for weighing static or dynamic vehicles.
It especially describes all of the configuration parameters with the relative range of values which can be set and practical examples of programming, to help the technician while installing the indicator.

For any additional information or specific request, do not hesitate to contact your trusted retailer.

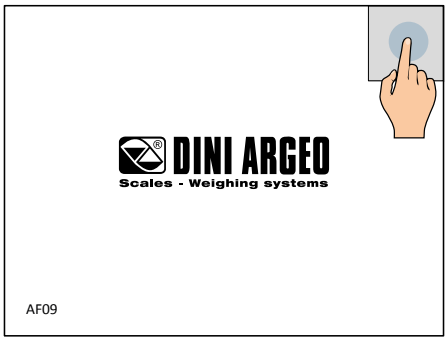
This document has been optimised for printing in A4 format.

Programming

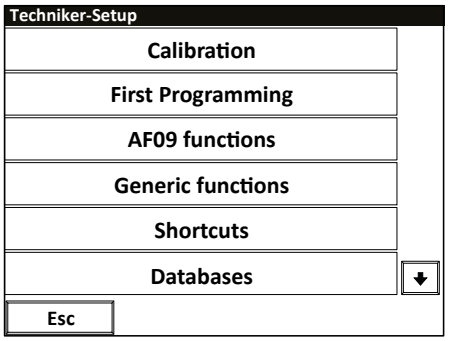
How to access the menu:

1. Turn off the scale.

2. Turn the scale on and press the area at the top right of the display during switch-on.



3. Programming menu.



If the menu is password protected, it is only possible to access it by entering it. Alternatively, you can access partial set-up reserved for diagnostics.

To view a customised logo upon switch-on, you must upload the image on SD.
If a switch-on message is set (B 3), no logo will be viewed.

Optimized layout for A4 print.

Programming menu

The letter has the sole purpose of indexing the parameters to make it easier to find them inside the manual, but it does not appear in the program.

- **A** Calibration
- **B** First Programming
- **C** AF09 functions
- **D** Generic functions
- **E** Shortcuts
- **F** Databases
- **G** Input texts
- **H** Serial ports
- **I** Printout
- **J** Ext. keyboard - Barcode reader
- **K** Digital outputs
- **L** Digital inputs
- **M** Remote control
- **N** Analog output
- **O** Backup & Restore
- **P** Diagnostic

KEY:

Parameter visible only in certain conditions.

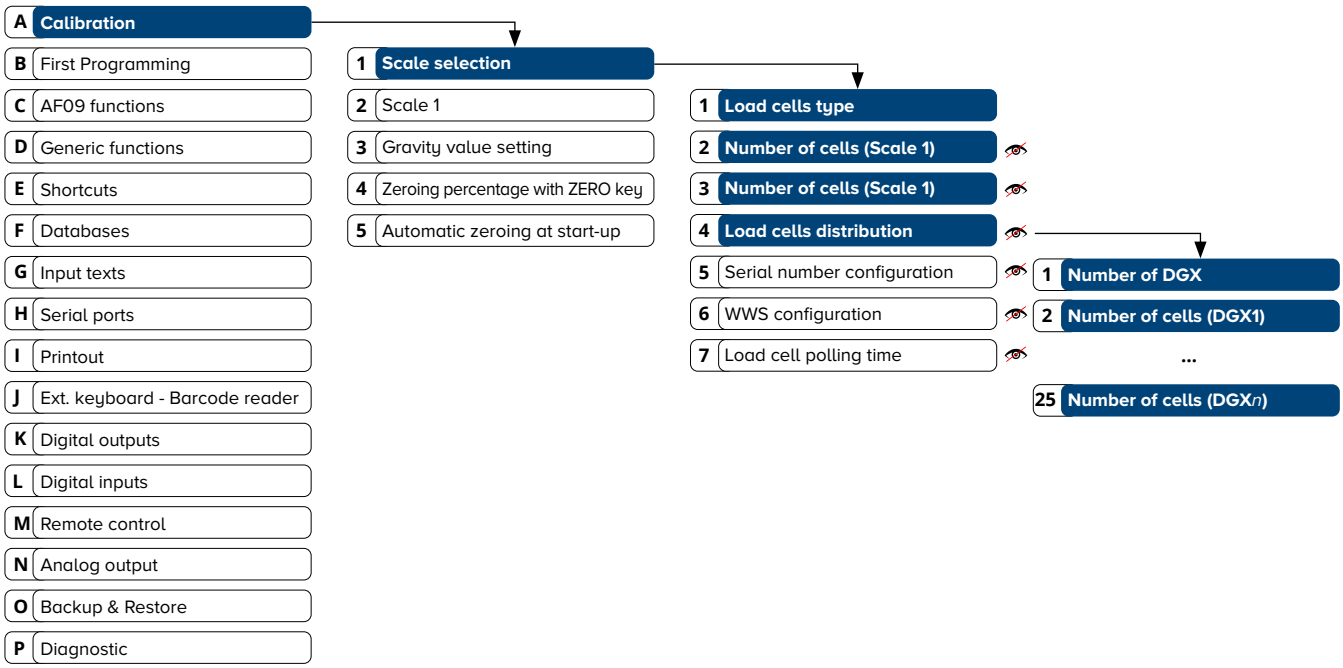
Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) *Indicates the default configuration.*

Optimized layout for A4 print.

Calibration



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Optimized layout for A4 print.

A 1 1 Load cells type

Allows you to select analogue cells, digital cells, WWS wheel-weighing platforms or DGX conversion boards.

- (●) Analog
- ( ) Digital DGX
- ( ) Digital RCD
- ( ) Digital CCI AD
- ( ) Digital RCD3D
- ( ) Digital C16i
- ( ) Digital WWS
- ( ) Digital RCPTD

DGX is a board which transforms up to four analogue cells into digital.
WWS is a digital wheel-weighing platform.

2 Number of cells (Scale 1)

Only visible if "Load cells type" = "Analog".

Allows you to select how many reading channels to use for the connection of each analogue platform.

1 - 4 (1).

3 Number of cells (Scale 1)

Only visible if "Load cells type = Digital".

For digital cells: for programming the number of digital cells used for each platform.

For DGX digital junction boards: for programming the total number of analogue cells connected to the DGX boards used.

1 - 16 (1) for digital cells.

1 - 24 (1) for analogue cells connected to DGX.

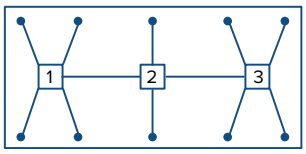
1 - 8 (1) for CCI AD digital cells.

4 Load cells distribution

Only visible if "Load cells type = DGX"

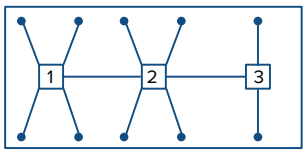
Indicates the total number of DGX boards and the division of the load cells for each DGX board.

Example 1



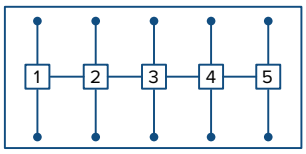
Platform with three DGX:
DGX1 - 4 analogue cells;
DGX2 - 2 analogue cells;
DGX3 - 4 analogue cells.

Example 2



Platform with three DGX:
DGX1 - 4 analogue cells;
DGX2 - 4 analogue cells;
DGX3 - 2 analogue cells.

Example 3



Platform with five DGX:
DGX1 - 2 analogue cells;
DGX2 - 2 analogue cells;
DGX3 - 2 analogue cells;
DGX4 - 2 analogue cells;
DGX5 - 2 analogue cells.

Number of DGX

Indicates the total number of DGX boards.

(*In example 1 and 2, the total DGX is 3, in example 3 the total DGX is 5).*

1 - 24 (1).

Number of cells (DGX1) ... Number of cells (DGX*n*)

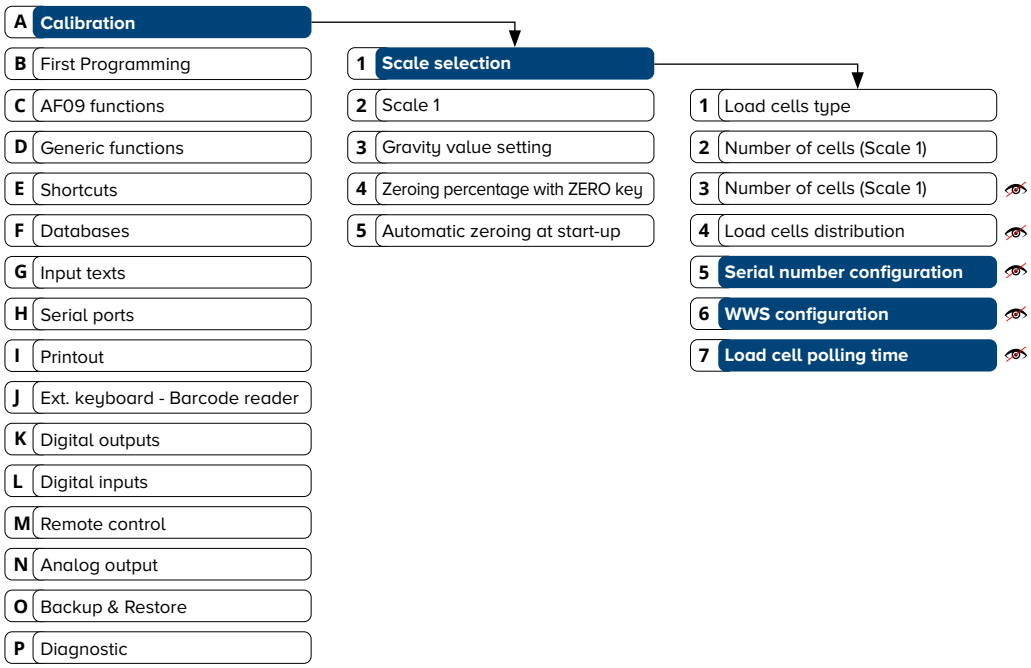
Indicates the number of analogue cells connected to the DGX board.

1 - 4 (1).

The number of cells for each DGX depends on the number of DGX boards.

Optimized layout for A4 print.

Calibration



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Possible configurations of the parameter.

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Optimized layout for A4 print.

A 1 5 Serial number configuration

Only visible if "Load cells type" = "Digital" (parameter not available for CCI AD digital cells).

Allows you to transmit the relative identification number code to each cell/DGX board.

DGX1 / Cell 1

Enter the serial number of cell 1 / first DGX board.

DGXn / Cell n

Serial number cell *n* / DGX board *n*.

Address assignment

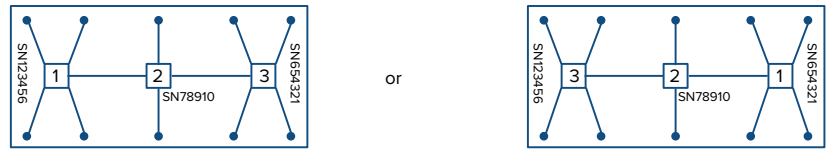
Transmission of data to cells/DGX boards.

A numerical index (from 1 to *n*) is assigned to each cell, according to the order of entry.

The physical layout of the load cells is not bound to the order of entry and therefore can be carried out according to your requirements:

Example of free numbering of digital cells

Example of free numbering of DGX boards



6 WWS configuration

Only visible if "Load cells type" = "Digital".

Specific menu for using digital WWS platforms.

WWS remote configuration

Allows you to access the technical set-up of the selected WWS.

Get WWS configuration

Allows the indicator to receive the weighing data from the WWS platforms connected.

7 Load cell polling time

Only visible if "Load cells type" = "Digital". (parameter not available for CCI AD digital cells).

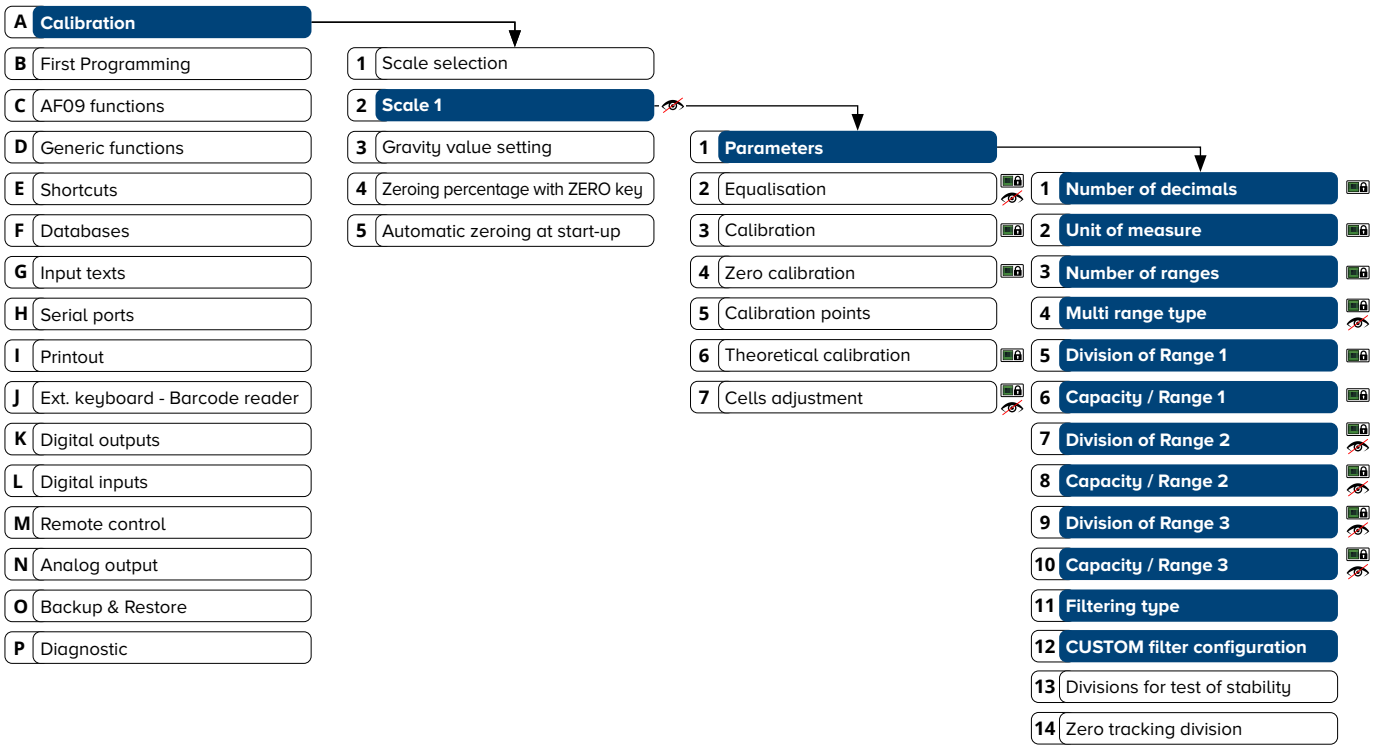
Reading frequency of the digital load cells.

Increase the value if there are communication problems.

0 - 200 (0 for digital cells, 5 for WWS platforms).

Optimized layout for A4 print.

Calibration



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Optimized layout for A4 print.

A 2 1 1 Number of decimals

- (•) 0
- ( ) 0.0
- ( ) 0.00
- ( ) 0.000

2 Unit of measure

- ( ) g
- (•) kg
- ( ) t
- ( ) lb

3 Number of ranges

Enables multi-range scales.

- (•) 1
- ( ) 2
- ( ) 3

4 Multi range type

Only visible if "Number of ranges" > 1.

- (•) Multi range
- ( ) Multi division

5 Division of Range 1

Division (“d” or “e”) of the scale in case of single range, division of the first range in case of a multi-range scale.

- ( ) 1
- ( ) 2
- ( ) 5
- ( ) 10
- (•) 20
- ( ) 50
- ( ) 100
- ( ) 200

6 Capacity / Range 1

Maximum range of the scale (“Max.”) or first range for the multi-range scale.

0 - 999999 (60000).

7 Division of Range 2

Only visible if "Number of ranges" ≥ 2.

Division of the second range for the multi-range scale.

8 Capacity / Range 2

Only visible if "Number of ranges" ≥ 2.

Second range for the multi-range scale.

9 Division of Range 3

Only visible if "Number of ranges" = 3.

Division of the third range for the multi-range scale.

10 Capacity / Range 3

Third range for the multi-range scale.

11 Filtering type

Adjustment of the weighing filter, modifies the reactivity of the scale.

The "0" represents minor filtering incidence. Increasing the incidence give the weight more stability. We recommend weighing several times, changing the incidence until you obtain the best compromise between reactivity and stability.

With the approved tool, you can select only some of the filters listed.

- ( ) FLT 0 (CE-M)
- ...
- ( ) FLT 3 (CE-M)
- ( ) FLT.OFF
- ( ) FLT.AV2

Table and floor scales and piece counters.

FLT 0 - FLT 1 - FLT 2 - FLT 3

- ( ) H.R.0 (CE-M)
- ( ) H.R.1 (CE-M)
- ...
- ( ) H.R.7

High precision scales.

H.R. 0 - H.R. 1

- ( ) DYN.0 (CE-M)
- ...
- ( ) DYN.3

Suspended and oscillating load weighing.

DYN 0 - DYN 1

- ( ) DOS.0
- ...
- ( ) DOS.3

Metering, filling, level check and overloads

- ( ) SLW.0
- ...
- ( ) SLW.3

Liquid weighing, weighbridges and weighing with vibrations.

- ( ) R.ADC D
- ( ) R.ADC S
- (•) CUSTOM

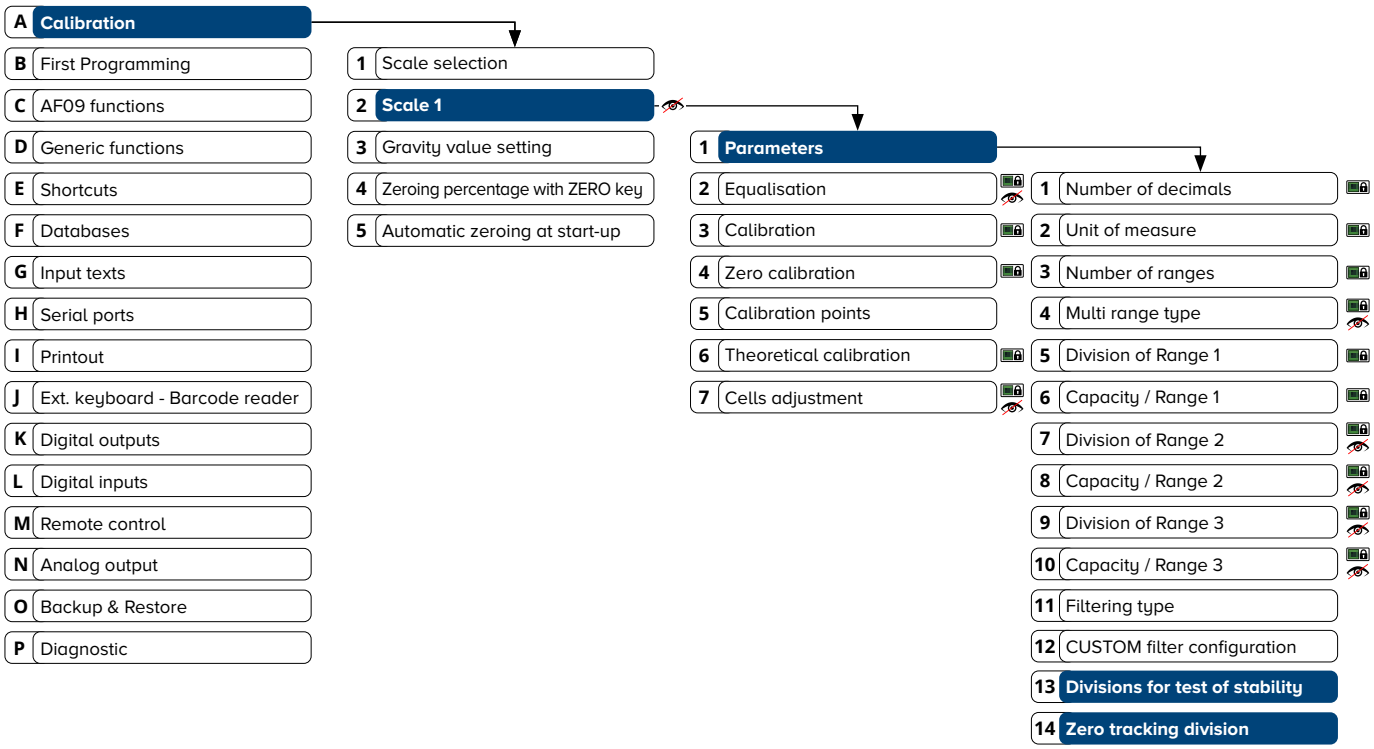
Filter for specific applications for use by the manufacturer.

12 CUSTOM filter configuration

For use by the manufacturer.

Optimized layout for A4 print.

Calibration



Optimized layout for A4 print.

13 Divisions for test of stability

Stability adjustment. The higher the value, the less sensitivity to variations, and therefore the weight is considered stable even in motion. This parameter acts on the instability symbol "~" and affects acquisition of weighs and printing.

⚙ *0 - 99 (2). 0 = always unstable.*

14 Zero tracking division

With the scale empty, it allows you to maintain the "zero weight" status over time, removing any filth, dust, processing residue within the time set in this step.

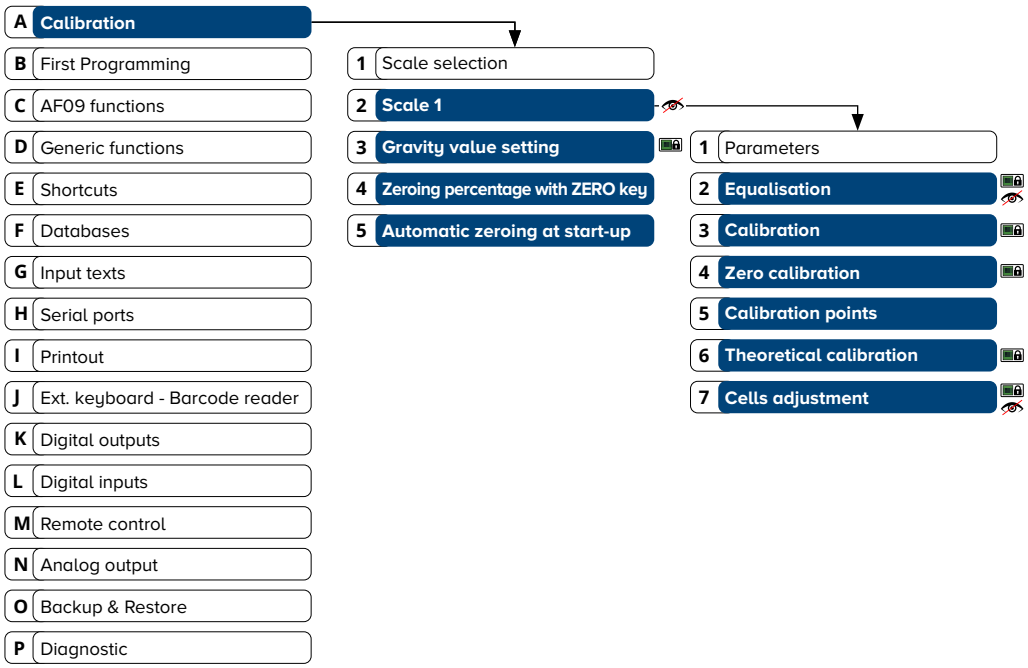
For example, setting "1/2 division" resets a weight equal to half division if stable for at least 1 second. Tracking acts at least within the manual zero reset limit, set in the step **A** **4** .

⚙

◯ No division	◯ 1/4 division	◉ 1/2 division
◯ 1 division 🔒	◯ 2 divisions 🔒	◯ 4 divisions 🔒
◯ 8 divisions 🔒	◯ 10 divisions 🔒	

Optimized layout for A4 print.

Calibration



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Possible configurations of the parameter.

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Optimized layout for A4 print.

A 2 2 Equalisation

Only visible if "Number of cells (Scale 1)" > 1.

Wizard that enables you to digitally equalise the platform angles.

3 Calibration

Calibration wizard with the aid of sample masses (or known weights which can be freely set).

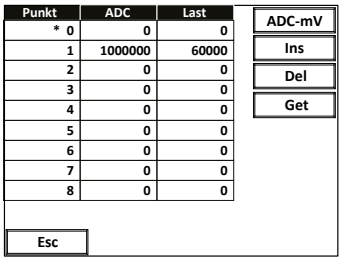
4 Zero calibration

Wizard to run after having completely calibrated the scale.

With the scale empty, it allows acquisition of the zero point, recalculating all the calibration points in proportion, maintaining the linearity obtained during the last calibration carried out. Useful to reset the structure weight or “dead tare” added at another time.

5 Calibration points

Allows you to quickly edit/correct/insert a calibration point.



6 Theoretical calibration

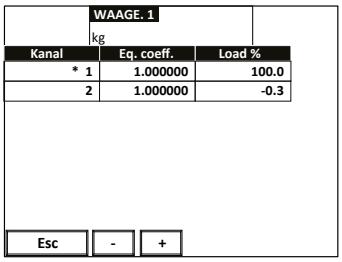
Wizard for the temporary calibration of the weigh in a quick fashion, inserting in sequence the total range (sum of the ranges) and the average sensitivity of the cells ($\frac{\text{sum of the mV / V of each cell}}{\text{no. of cells}}$).

The theoretical calibration is useful for testing the system before the official calibration carried out with the sample masses.

7 Cells adjustment

Only visible if "Equalisation" is available.

For platforms with digital cells, it quickly modifies the equalisation coefficient of each individual cell. Useful when testing the system to quickly correct any errors in the angles.



3 Gravity value setting

If the tool calibrated in a certain area is shipped to a zone with different gravity acceleration, set the destination gravity in the step to automatically correct the weight.

⚙ *9.75001 - 9.84999 (9.80390).*

4 Zeroing percentage with ZERO key

Allows you to freely configure the resetting percentage of the key >0<, from 0 to 50% of F.S.

⚙ *0 - 50% of F.S. (2%)*

5 Automatic zeroing at start-up

Allows you to configure the auto reset function at switch-on:

1 Type

⚙ ○ Disabled ◉ Enabled on the scale 1

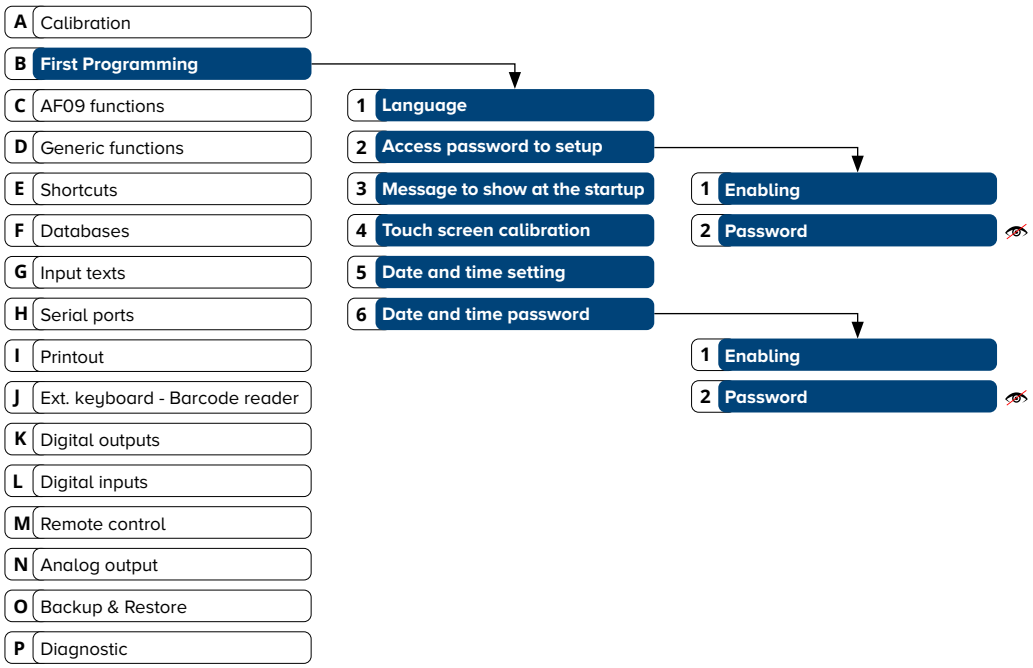
2 Percentage of zeroing

Allows you to freely configure the resetting percentage at switch-on.

⚙ *1 - 50% of F.S (10%)*

Optimized layout for A4 print.

First Programming



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Optimized layout for A4 print.

B 1 Language

⚙ ◯ Italiano | ◉ English | ◯ Français | ◯ Deutsch | ◯ Español | ◯ Português | ◯ Polski

You may also add a custom language using the Dini Argeo “CustomLanguageTool” program (Managed page codes: Latin 1, Greek, Cyrillic, Vietnamese).

2 Access password to setup

Allows you to protect the configuration set-up by means of a numerical 5-digit password, which you may freely set.

1 Enabling

⚙ ◉ Disabled | ◯ Enabled

2 Password

Only visible if "Enabling" = "Enabled".

⚙ *0 - 65534*

> *The password also blocks reception of the set-up by Dinitools (configuration program for pc).*

3 Message to show at the startup

Allows you to customise the message displayed when the indicator switches on.

⚙ *Max. 32 characters*

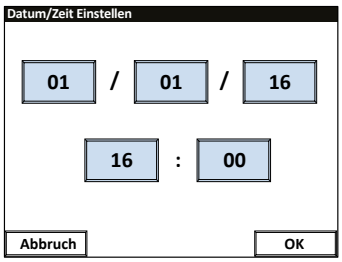
> *No logo is displayed when the switch-on message is inserted.*

4 Touch screen calibration

Wizard to correctly calibrate the touch screen display, by pressing the displayed point.

5 Date and time setting

Configuration of the date and time of the tool. Function which can also be accessed from the weighing screen.



6 Date and time password

Allows you to protect the time and date configuration during weighing by means of a numerical 5-digit password, which you may freely set.

1 Enabling

⚙ ◉ Disabled | ◯ Enabled

2 Password

Only visible if "Enabling" = "Enabled".

⚙ *0 - 65534*

Optimized layout for A4 print.

AF09 functions

- A Calibration
- B First Programming
- C **AF09 functions**
  - 1 **Axles weighing**
  - 2 **Axles weighing configuration**
    - 1 **Minimum axle weight**
    - 2 **Average weight samples**
    - 3 **Cycles time interval (sec)**
    - 4 **Beginning axles to skip**
    - 5 **Ending axles to skip**
    - 6 **Axle acquisition error enable**
    - 7 **Speed limit**
    - 8 **Platform width**
    - 9 **Check minimum speed (1km/h)**
    - 10 **WWS timeout**
    - 11 **Send configuration to WWS**
  - 3 **Double weigh enabling**
  - 4 Identification mode
  - 5 ID code generation
  - 6 Weigh when vehicle is selected
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
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Possible configurations of the parameter.

o (x) *Indicates the default configuration.*

Optimized layout for A4 print.

C 1 **Axles weighing**

Allows you to choose the weighing acquisition mode.

⚙ ○ Manual ○ Static ◉ Dynamic

2 **Axles weighing configuration**

Setting of parameters for vehicle axle acquisition.

1 **Minimum axle weight**

Only visible if "Axles weighing" = "Dynamic" or "Static".

Minimum weight value for each axle of the vehicle required to enable acquisition.

⚙ *0 - MAX (750).*

2 **Average weight samples**

Only visible if "Axles weighing" = "Dynamic" or "Static".

Reading number when weighing each single axle.

Set low values if the weight is unstable or high weighing ranges are requested.

Set higher values if the weight is stable, thus improving weighing precision.

⚙ *1 - 200 (30).*

3 **Cycles time interval (sec)**

Only visible if "Axles weighing" = "Dynamic" or "Static".

Number of seconds elapsed (with less weight of “Minimum axle weight”) with which the weighing cycle ends automatically.

Set a value equal to 0 to manage the weighing cycles from the input.

⚙ *0 - 30 (10).*

4 **Beginning axles to skip**

Only visible if "Axles weighing" = "Dynamic" or "Static".

If automatic weighing has been configured, it is possible to set the number of axles not to accumulate at the beginning of the weighing cycle.

It can be used to weigh the trailer only or to exclude an axle that is not required.

⚙ *0 - 20 (0).*

5 **Ending axles to skip**

Only visible if "Axles weighing" = "Dynamic" or "Static".

If automatic weighing has been configured, it is possible to set the number of axles not to accumulate at the end of the weighing cycle.

It can be used to exclude an axle that is not required.

⚙ *0 - 20 (0).*

6 **Axle acquisition error enable**

For use by the manufacturer.

7 **Speed limit**

Only visible if "Axles weighing" = "Dynamic".

Maximum speed with which the vehicle can drive on the platform.

⚙ *0 - 20 (5).*

8 **Platform width**

Only visible if "Axles weighing" = "Dynamic".

Allows you to calculate the correct speed of the vehicle.

0 = Disabled.

⚙ *0 - 255 (73).*

9 **Check minimum speed (1km/h)**

⚙ ◉ Disabled ○ Enabled

10 **WWS timeout**

Only visible if "Load cells type" = "Digital WWS".

For use by the manufacturer.

11 **Send configuration to WWS**

Only visible if "Load cells type" = "Digital WWS".

Send the configuration to the WWS.

3 **Double weigh enabling**

If enabled, it allows input/output weights for every vehicle.

If disabled, it allows single weighing for every vehicle.

⚙ ○ Disabled ◉ Enabled

Optimized layout for A4 print.

AF09 functions

- A Calibration
- B First Programming
- C **AF09 functions**
  - 1 Axles weighing
  - 2 Axles weighing configuration
  - 3 Double weigh enabling
  - 4 **Identification mode**
  - 5 **ID code generation**
  - 6 **Weigh when vehicle is selected**
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
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o (x) *Indicates the default configuration.*

Optimized layout for A4 print.

C 4 Identification mode

Allows you to select the type of identification of the weigh.

⚙ (●) By ID code ( ) By license plate

The “By ID code” is a progressive number from 1 to 999.
It is automatically associated to the first weigh stored and can be quickly recalled during acquisition of the second weigh, to calculate the difference of the net weight.
When the second weigh has been carried out, the ID is free and can be used once again.
By choosing the identification mode “By license plate”, the first weigh is linked to the vehicle number plate.
The number plate can be entered manually at each weigh or else stored in the database.

5 ID code generation

The ID attributed to weighing can be progressive 1 to 999 (it starts from 1 again after reaching 999 weighs), or the first free ID (each ID is freed on completion of the second weigh).

⚙ ( ) Using the first free ID code (●) Always a next ID code

6 Weigh when vehicle is selected

Allow you to configure the tool for automatic vehicle weighing and identification of the weigh also in the absence of the user in charge of operations on the indicator.

⚙ (●) Disabled ( ) Enabled

Optimized layout for A4 print.

Generic functions

- A Calibration
- B First Programming
- C AF09 functions
- D **Generic functions**
- E Shortcuts
- F Databases
- G Input texts
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Generic functions

- 1 **Totalisation function mode**
- 2 **Tare function**
  - 1 **Tare type**
  - 2 **Semiautomatic tare**
  - 3 **Add. tare before second weigh**
  - 4 **Tare limitations for direct sale**
- 3 **Weighing mode reactivation**
- 4 **Divisions for reactivation**
- 5 **Automatic calibration warning**
- 6 **Energy saving**
- 7 **Motherboard warming time**
- 8 **Weight window zoom**
- 9 **Buzzer sound of the instrument**
- 10 **Electronic label**

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Possible configurations of the parameter.

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Optimized layout for A4 print.

D 1 **Totalisation function mode**

For use by the manufacturer.

2 **Tare function**

Tare functions configuration menu (if active on main screen).

1 **Tare type**

To avoid incorrect weighs, you may decide that the stored tare be cancelled automatically when the system is unloaded (“Unlocked”).
If the tare is fixed and must remain active for several weighs, select “Locked”; this way the tare can only be cancelled manually.
Selecting “Disabled” inhibits every tare function.

⚙ ○ Unlocked ◉ Locked ○ Disabled

2 **Semiautomatic tare**

⚙ ○ Disabled ◉ Enabled

3 **Add. tare before second weigh**

Enable the request to enter the additional tare on weighing output.

⚙ ◉ Disabled ○ Enabled

4 **Tare limitations for direct sale**

For use by the manufacturer.

3 **Weighing mode reactivation**

To avoid double acquisitions, you may decide whether the weighing functions, after a weigh, only reactivates after having unloaded the weighbridge (“Plate unloaded”) or with unstable weight.

⚙ ◉ Weight instability ○ Complete scale unloading

4 **Divisions for reactivation**

Only visible if "Weighing reactivation mode" = "Weight instability".
If reactivation is set at “Weight instability”, you may program the number of offset divisions from the recorded weigh to achieve reactivation.

⚙ *1 - 99 (2).*

5 **Automatic calibration warning**

Periodical system recalibration request warning by means of a displayed message.
The warning is not blocking.

1 **Number of months**

Number of months after which to view the message

⚙ *0 - 99 (0).*

2 **Number of weighs**

Number of weighs carried out after which to view the message

⚙ *0 - 99999 (0).*

6 **Energy saving**

Useful for battery operated systems, reducing consumption during idle periods.

1 **Automatic switch-off**

Automatic switch-off after 5 minutes not used, with scale empty

⚙ ◉ Disabled ○ Enabled

2 **Screen timeout & Battery visual.**

Switches off display back-lighting after 15 seconds (only when battery-operated).

⚙ ○ Disabled ◉ Enabled

7 **Motherboard warming time**

For special applications, a heating time of the motherboard can be set to avoid weight oscillations in the early moments when the tool is switched on.

⚙ *0 - 60 (0).*

8 **Weight window zoom**

Activates automatic display of the weight with large digits. This display is activated with weight stable and deactivated when the weight is unstable.

1 **Enabling**

⚙ ◉ Disabled ○ Enabled

2 **Activation delay time**

Only visible if "Weight window zoom" = "Enabled"
Large digit weight activation can be delayed by the time set in this parameter.

⚙ *0 - 255 (5).*

9 **Buzzer sound of the instrument**

Activates the audible warnings (buzzer) by pressing keys and with error conditions.

⚙ ○ Disabled ◉ Enabled

10 **Electronic label**

Disable/enable the electronic label

⚙ ◉ Disabled ○ Enabled

Optimized layout for A4 print.

Shortcuts

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E **Shortcuts**
- F Databases
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

E Shortcuts

- 1 **Keyboard customization**
- 2 Toolbar customization
- 3 Function sequence

1 Keyboard customization

- 1 **F1 - Preset tare**
- 2 **F2 - Preset tare**
- 3 **F3 - Preset tare**
- 4 **F4 - Preset tare**
- 5 **F5 - Preset tare**
- 6 **F6 - Preset tare**
- 7 **F7 - Preset tare**
- 8 **F8 - Preset tare**
- 9 **F9 - Preset tare**
- 10 **F10 - Preset tare**
- 11 **TARE / ESC - Tare**
- 12 **SCALE / HELP - Scale switching**
- 13 **ZERO / . - Zeroing**
- 14 **>> / OK - Screen switching**

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

E 1 **Keyboard customization**

Allows you to configure the function of each key of the integrated keypad, if present.

The configuration menu of a key is displayed below (in following example “F1”)

1 **F1 - Preset tare**

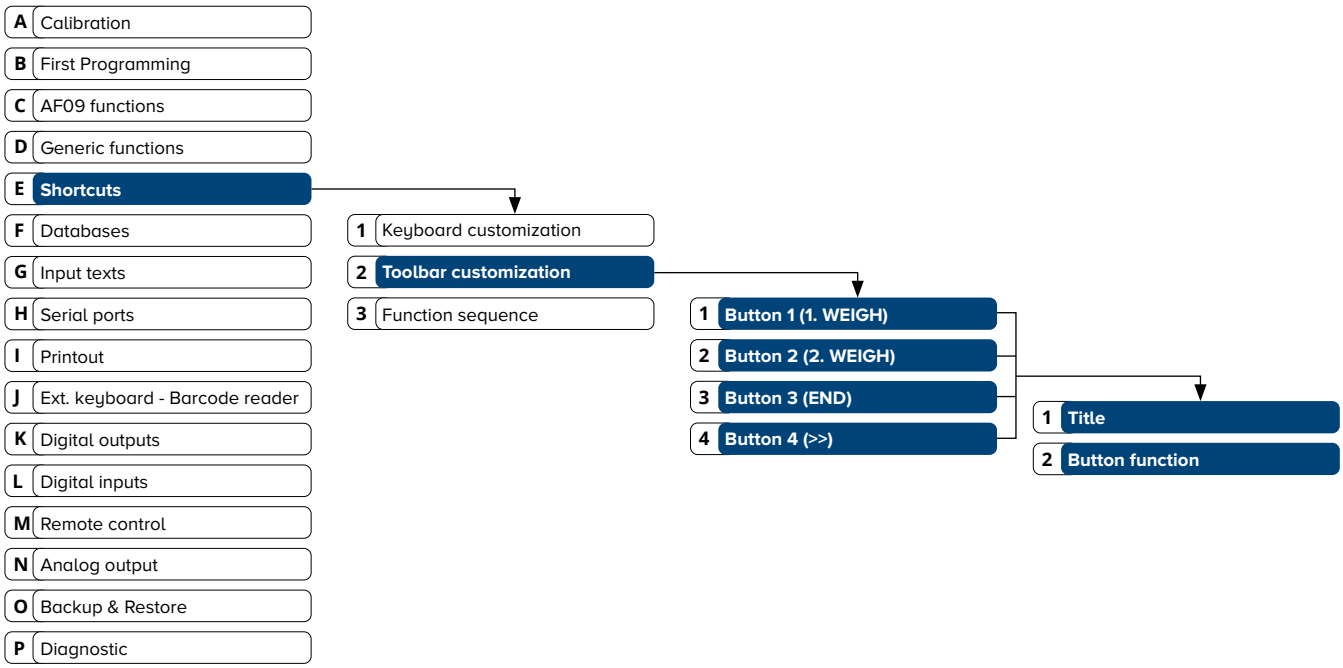
◯ Disabled	Key disabled.
◯ User setup	Matches the “User setup”: by pressing F1, in weighing, you access the menu which contains all the additional functions for the user.
◯ User setup function by index	Matches the recall of the function by means of index: by pressing F1, in weighing, the user is requested to enter the identification number code of the function to carry out.
◉ Single function (104)	Matches the direct recall of the function set: by pressing F1, in weighing, the function to be carried out is activated (for example reset, print, tare, set point programming etc.). When this mode has been selected, you directly access the “User setup” where all the available functions can be viewed (page 60).
◯ Sequence 1 ... ◯ Sequence 10	It is possible to match one of the 10 operational sequences. Each sequence can be programmed freely and allows you to queue up to 10 different functions, which will be recalled automatically, one after the other on pressing F1. For example the operator can be requested to enter 5 free texts in sequence, to perform the first weigh and to issue a receipt.

The following is the default configuration of the other keys:

2	**F2 - Preset tare**	◉ Single function (104)	Preset tare.
3	**F3 - Preset tare**	◉ Single function (104)	Preset tare.
4	**F4 - Preset tare**	◉ Single function (104)	Preset tare.
5	**F5 - Preset tare**	◉ Single function (104)	Preset tare.
6	**F6 - Preset tare**	◉ Single function (104)	Preset tare.
7	**F7 - Preset tare**	◉ Single function (104)	Preset tare.
8	**F8 - Preset tare**	◉ Single function (104)	Preset tare.
9	**F9 - Preset tare**	◉ Single function (104)	Preset tare.
10	**F10 - Preset tare**	◉ Single function (104)	Preset tare.
11	**TARE / ESC - Tare**	◉ Single function (103)	Semi-automatic tare.
12	**SCALE / HELP - Scale switching**	◉ Single function (108)	Switching of active scale.
13	**ZERO / . - Zeroing**	◉ Single function (101)	Zero scale.
14	**>> / OK - Screen switching**	◉ Single function (301)	Switching of screen.

Optimized layout for A4 print.

Shortcuts



KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

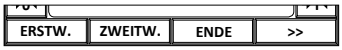
Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

E 2 Toolbar customization

Allows you to configure the title and the function of the toolbar buttons.



The configuration menu of a toolbar key is displayed below (in following example “1. WEIGH”)

1 Button 1 (1. WEIGH)

Title

Allows you to edit the displayed title.

⚙ *Max. 8 characters (1.*WEIGH*).*

Button function

⚙ ◯ Disabled — Key disabled.

◯ User setup — Matches the “User setup”: by pressing the key, in weighing, you access the menu which contains all the additional functions for the user.

◯ User setup function by index — Matches the recall of the function by means of index: by pressing the key, in weighing, the user is requested to enter the identification number code of the function to carry out (page 60).

◉ Single function (701) — Matches the direct recall of the function set: by pressing the key, in weighing, the function to be carried out is activated (for example reset, print, tare, set point programming etc.). When this mode has been selected, you directly access the “User setup” where all the available functions can be viewed (page 60).

◯ Sequence 1
...
◯ Sequence 10

It is possible to match one of the 10 operational sequences. Each sequence can be programmed freely and allows you to queue up to 10 different functions, which will be recalled automatically, one after the other on pressing the key.
For example the operator can be requested to enter 5 free texts in sequence, to perform the first weigh and to issue a receipt.

The following is the default configuration of the other keys:

2 Button 2 (2. WEIGH)

Title

⚙ *2.WEIGH*

Button function

⚙ ◉ Single function (702)

3 Button 3 (END)

Title

⚙ *END*

Button function

⚙ ◉ Single function (720)

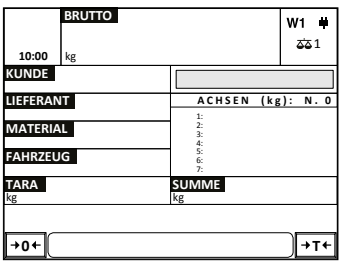
4 Button 4 (>>)

Title

⚙ >>

Button function

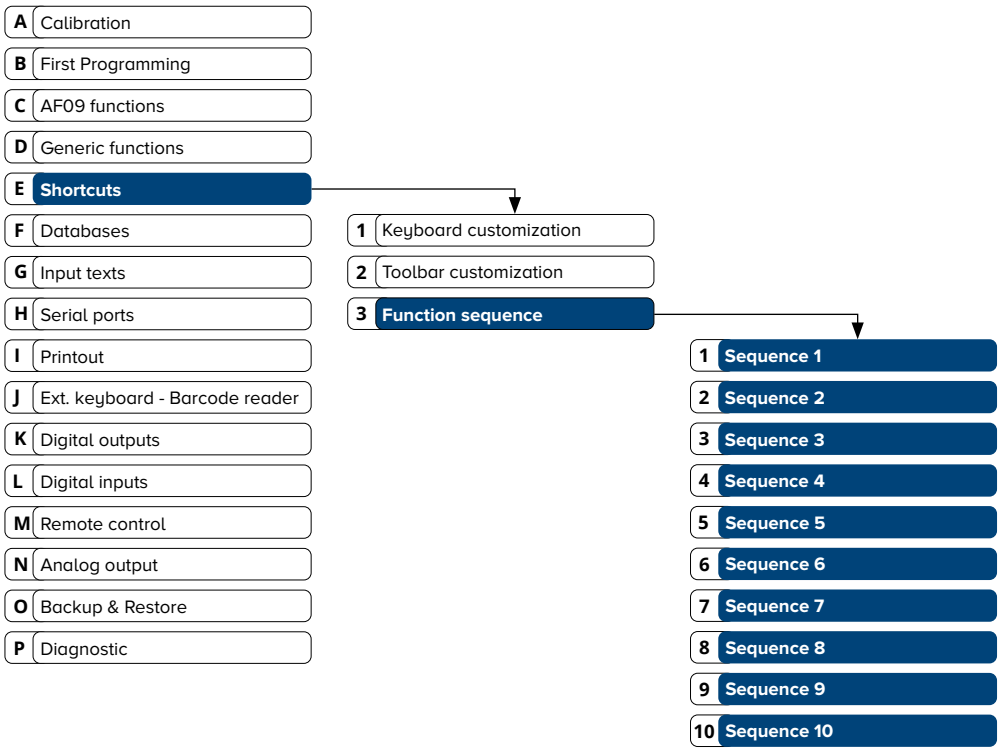
⚙ ◉ Single function (301)



Disabling all the keys increases the space available for customisations.
The message box drops to the bottom of the screen.

Optimized layout for A4 print.

Shortcuts



KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

OPERATIONAL SEQUENCES

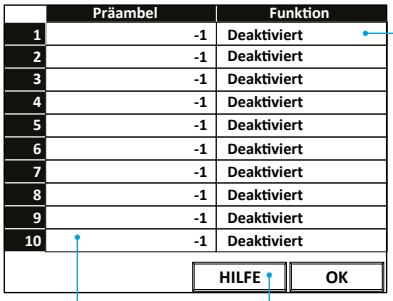
The program provides up to 10 operational sequences.
Each sequence can be programmed freely and allows you to queue up to 10 different functions, which will be recalled automatically, one after the other.
For example the operator can be requested to enter 5 free texts in sequence, to perform the first weigh and to issue a receipt.

E 3 1 **Sequence 1** — Configuration of “Sequence 1”

...

10 **Sequence 10** — Configuration of “Sequence 10”

Once you have selected the sequence you want to edit, the following screen appears:



	Präambel	Funktion
1	-1	Deaktiviert
2	-1	Deaktiviert
3	-1	Deaktiviert
4	-1	Deaktiviert
5	-1	Deaktiviert
6	-1	Deaktiviert
7	-1	Deaktiviert
8	-1	Deaktiviert
9	-1	Deaktiviert
10	-1	Deaktiviert

HILFE OK

Selection of function by means of number code

Help Online, displays the list of functions divided by type and relative number code.
Otherwise all the functions are listed on page 60.

Preamble of the function.
Functions with preamble operate differently depending on the value entered.

Optimized layout for A4 print.

Databases

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F **Databases**
  - 1 **Enabling database**
  - 2 **Customer dtb customization**
  - 3 **Material dtb customization**
  - 4 **Vehicle dtb customization**
  - 5 **Card dtb customization**
  - 6 **Supplier dtb customization**
  - 7 **Safety password**
    - 1 **Enabling**
    - 2 **Password**
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

F 1 Enabling database

Allows you to select the records you want to use by simplifying archive programming.

⚙ ☑ Customer dtb ☑ Material dtb ☑ Input dtb
☑ Vehicle dtb ☑ Card dtb ☑ Suppliers dtb

2 Customer dtb customization

Allows you to configure the required fields while filling out the customers database.

⚙ ☑ Description 2 ☑ Description 3

3 Material dtb customization

Allows you to configure the required fields while filling out the materials database.

⚙ ☑ Description 2

4 Vehicle dtb customization

Allows you to configure the required fields while filling out the vehicles database.

⚙ ☑ Description ☑ Tare

5 Card dtb customization

Allows you to configure the required fields while filling out the cards database.

⚙ ☑ Linked customer ☑ Linked material ☑ Linked vehicle
☑ Linked text ☑ Linked supplier

6 Supplier dtb customization

Allows you to configure the required fields while filling out the suppliers database.

⚙ ☑ Description 2 ☑ Description 3

7 Safety password

Allows you to enable the access password to fill out the databases. The password is common for all databases.

1 Enabling

⚙ ◉ Disabled ○ Enabled

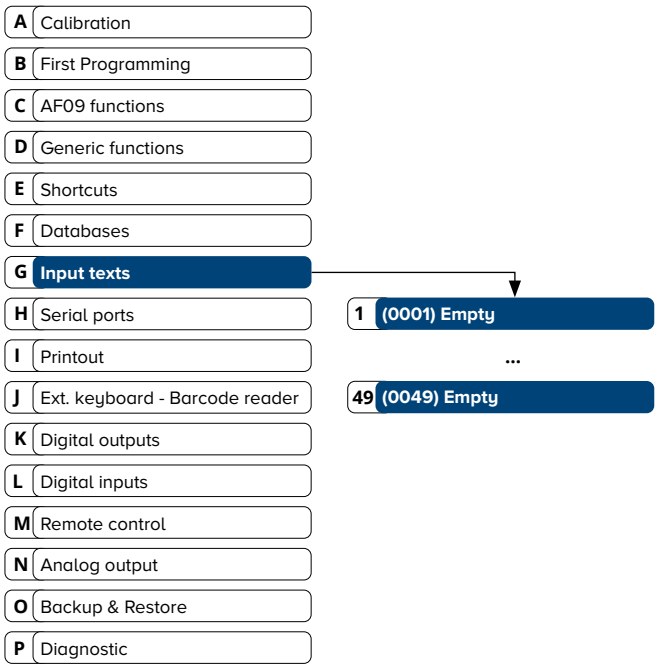
2 Password

Only visible if "Enabling" = "Enabled".

⚙ *0 - 65534 (0).*

Optimized layout for A4 print.

Input texts



KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

INPUT TEXTS

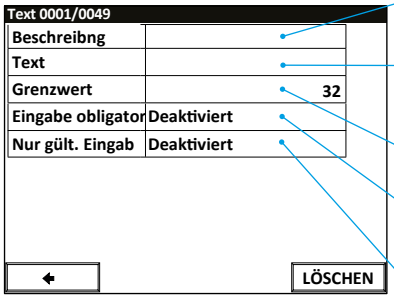
The input texts are 49 memories filled out by the operator during weighing.
They are used to enter information related to the weigh in progress (for example batch number, origin, operator code, a comment, traceability or visual quality control notes, etc.).

Each input text consists of two parts:
- the header (16 characters) to identify and easily distinguish the input text (for example “LOT:”);
- the content (32 characters), filled out by the operator (for example “201601123455”).

The content of the input text can be programmed manually or by means of an external reader (barcode, chip card, badge, RFID).

The configuration menu of a free text is displayed below (in following example “testo di input 1”)

G 1 (0000) Empty



Header of input text.

Content: filled out by the operator during weighing.
When filling out the set-up field, it is shown to the operator as default text.

If the value received by the reader exceeds the set limit, it is saved in input text no.2

If enabled, once you have accessed free text to fill in, it is not possible to exit without having entered any data.

If enabled, the text can only be filled out if the text is not filled out.

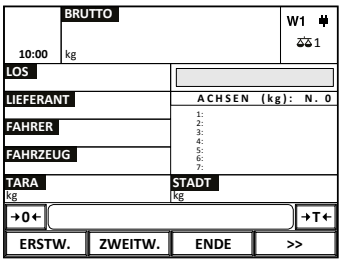
The following is the default configuration of the following input texts:

2 (0002) Empty

...

49 (0049) Empty

Input texts can be viewed directly on the work screen, either under the form of buttons to access the content and as simple alphanumerical keys to read only.



Optimized layout for A4 print.

Serial ports

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- D Generic functions
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- G Input texts
- H **Serial ports**
  - 1 **Serial ports function mode**
  - 2 **Printer port configuration**
    - 1 **Baud rate**
    - 2 **Parity type**
    - 3 **Word length**
    - 4 **Stop bit**
    - 5 **CTS status**
    - 6 **CTS Emulation Chars Number**
    - 7 **CTS Emulation Interval**
    - 8 **XON Character**
    - 9 **XOFF Character**
    - 10 **1st Reset command byte**
    - 11 **2nd Reset command byte**
    - 12 **3rd Reset command byte**
    - 13 **4th Reset command byte**
    - 14 **Second CTS status**
    - 15 **Show the CTS error**
    - 16 **Printer error timeout**
    - 17 **Check paper status**
    - 18 **Printer power supply**
    - 19 **Protocol**
    - 20 **Weight type To Alibi**
  - 3 Pc port configuration
  - 4 Auxiliary port configuration
  - 5 Network configuration
  - 6 Data transfer
  - 7 Radio Frequency interface
  - 8 Ethernet interface
  - 9 Bluetooth interface
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
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- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

H 1 Serial ports function mode

The three serial ports with which the tool is equipped can be used indiscriminately to communicate:
- in two-way mode with the PC (“PC” mode);
- in one-way mode with PC, printer, repeater and USBC memory (“Print.” mode);
- in two-way mode with other auxiliary systems (“Aux” mode).

⚙ (●) 1=Pc 2= Stamp. 3=Aux | ( ) 1=Pc 2= Aux 3=Stamp. | ( ) 1=Stamp. 2= Pc 3=Aux
( ) 1=Stamp. 2= Aux 3=Pc | ( ) 1=Aux 2= Pc 3=Stamp. | ( ) 1=Aux 2= Stamp. 3=Pc

2 1 Baud rate

⚙ *1200 - 2400 - 4800 - 9600 - 19200 - 38400 - 57600 - 115200 (9600).*

2 Parity type

⚙ (●) None | ( ) Odd | ( ) Even

3 Word length

⚙ ( ) 7 bit | (●) 8 bit

4 Stop bit

⚙ (●) 1 bit | ( ) 2 bit

5 CTS status

Synchronism signal of printer/connected device:

Mod. “TPR” / “PR80” Dini Argeo: Low
Mod. “LP542S” / “SMTPLUS” Dini Argeo: Low
Mod. “LX300” / “TM295” Epson: Low
Mod. “USBC” Dini Argeo: Low

⚙ ( ) Disabled | (●) Low | ( ) High
( ) Emulated | ( ) XON/XOFF

6 CTS Emulation Chars Number

Only visible if "CTS status" = "Emulated". (For use by the manufacturer).

7 CTS Emulation Interval

Only visible if "CTS status" = "Emulated". (For use by the manufacturer).

8 XON Character

Only visible if "CTS status" = "XON/XOFF". (For use by the manufacturer).

9 XOFF Character

Only visible if "CTS status" = "XON/XOFF". (For use by the manufacturer).

10 1st Reset command byte

Only visible if "CTS status" = "XON/XOFF". (For use by the manufacturer).

11 2nd Reset command byte

Only visible if "CTS status" = "XON/XOFF". (For use by the manufacturer).

12 3rd Reset command byte

Only visible if "CTS status" = "XON/XOFF". (For use by the manufacturer).

13 4th Reset command byte

Only visible if "CTS status" = "XON/XOFF". (For use by the manufacturer).

14 Second CTS status

Synchronism signal of second printer / connected device (terminal 19 of motherboard).

⚙ (●) Disabled | ( ) Enabled

15 Show the CTS error

Only visible if "Second CTS status" = "Enabled" or if "CTS status" ≠ "Disabled".
Useful when printing is fundamental and the weight must not be acquired if the printer is not ready.

⚙ ( ) Disabled | (●) Enabled

16 Printer error timeout

Only visible if "Second CTS status" = "Enabled" or if "CTS status" ≠ "Disabled". (For use by the manufacturer).

17 Check paper status

For use by the manufacturer.

18 Printer power supply

Select the “External” power supply mode in order to keep the printer ON when using the indicator.
Select “External auto switch off” for printers in energy saving mode.
Select “Internal” power supply mode in order to switch on the printer when issuing the receipt only.

⚙ ( ) External | ( ) External auto switch off | (●) Internal

19 Protocol

⚙ (●) Standard — For printer.
( ) Repeater 6 digits — For repeater mod. Dini Argeo
( ) For alibi memory — Each weigh will be stored in the alibi memory (to be able to print the alibi value at each weigh, the printed format must be modified with the adequate macro).
( ) Continuous — Continuous transmission of standard weight string.

20 Weight type To Alibi

Only visible if "Protocol" = "For alibi memory"
You may select which weight to save in the alibi memory, in addition to the tare value:

⚙ (●) Gross weight | ( ) Net weight

Optimized layout for A4 print.

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  - 3 **Pc port configuration**
    - 1 **Baud rate**
    - 2 **Parity type**
    - 3 **Word length**
    - 4 **Stop bit**
    - 5 **CTS status**
    - 6 **CTS Emulation Chars Number**
    - 7 **CTS Emulation Interval**
    - 8 **Protocol**
    - 9 Communication mode
    - 10 485 address
  - 4 Auxiliary port configuration
  - 5 Network configuration
  - 6 Data transfer
  - 7 Radio Frequency interface
  - 8 Ethernet interface
  - 9 Bluetooth interface
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

H 3 1 **Baud rate**

1200 - 2400 - 4800 - 9600 - 19200 - 38400 - 57600 - 115200 (9600).

2 **Parity type**

- (●) None
- ( ) Odd
- ( ) Even

3 **Word length**

- ( ) 7 bit
- (●) 8 bit

4 **Stop bit**

- (●) 1 bit
- ( ) 2 bit

5 **CTS status**

Synchronism signal of printer/connected device:

Mod. “TPR” / “PR80” Dini Argeo: Low
Mod. “LP542S” / “SMTPLUS” Dini Argeo: Low
Mod. “LX300” / “TM295” Epson: Low
Mod. “USBC” Dini Argeo: Low

- (●) Disabled
- ( ) Low
- ( ) High
- ( ) Emulated

Set “Disabled” to communicate with the PC.

> In the PC port, the CTS signal is managed by the RX pin.

6 **CTS Emulation Chars Number**

Only visible if "CTS status" = "Emulated". (For use by the manufacturer).

7 **CTS Emulation Interval**

Only visible if "CTS status" = "Emulated". (For use by the manufacturer).

8 **Protocol**

Setting the communication protocol

(●) Standard	To transmit the standard DINI ARGEO string.
( ) Extended	To transmit the extended string.
( ) Repeater 6 Digits	For repeater mod. DINI ARGEO.
( ) Repeater of Lcd display	-
( ) Monodirectional	-
( ) For alibi memory	Each weigh is stored in the alibi memory and transmitted to the PC.
( ) SMA	-
( ) Modbus	-
( ) Profibus	-
( ) B Type	-
( ) Repeater B	-
( ) B3 Type	-
( ) B4 Type	-
( ) Network	Activates the “network between tools” mode.

Optimized layout for A4 print.

Serial ports

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  - 2 Printer port configuration
  - 3 **Pc port configuration**
    - 1 Baud rate
    - 2 Parity type
    - 3 Word length
    - 4 Stop bit
    - 5 CTS status
    - 6 CTS Emulation Chars Number
    - 7 CTS Emulation Interval
    - 8 Protocol
    - 9 **Communication mode**
    - 10 **485 address**
  - 4 Auxiliary port configuration
  - 5 Network configuration
  - 6 Data transfer
  - 7 Radio Frequency interface
  - 8 Ethernet interface
  - 9 Bluetooth interface
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

9 Communication mode

Selection of the communication mode:

◉ On demand	The tool responds or runs operations according to the command received.
○ Continuous	Continuous transmission of standard weight string.
○ Stability	The tool transmits the standard weight string whenever the weight is stabilised.
○ RS485 mode	Communication with RS485 identification number code. Commands without code or with a different code will be ignored.
○ Get axle	Transmission of the string to acquisition of each axle: "Axle; Axle number; Weight; Unit of measure". E.g. "Axle 1 3000 kg", "Axle 2 3000 kg".
○ Total weight	Transmission of the string to closing an input/output weigh: "Axles; Total number of axles; Weight; Unit of measure". E.g. "Axles 3 16000 kg".
○ Input	Transmission of the string to closing an input weigh: "IN; Number of weighs; Total weight at the entrance; Unit of measure". E.g. "IN 3 36000 kg".
○ Output	Transmission of the string to closing an output weigh: "OUT; Number of weighs; Total weight output; Unit of measure". E.g. "OUT 3 35480 kg".
○ Upon end cycle	String sent at the end of the first/second weigh cycle.

10 485 address

If the communication mode is “RS485”, set the identification code of the tool.

0 - 99 (0).

To dialogue with the scale you must add the identification code of the tool at the start of each command.

Optimized layout for A4 print.

Serial ports

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  - 4 **Auxiliary port configuration**
    - 1 **Baud rate**
    - 2 **Parity type**
    - 3 **Word length**
    - 4 **Stop bit**
    - 5 **CTS status**
    - 6 **CTS Emulation Chars Number**
    - 7 **CTS Emulation Interval**
    - 8 **Protocol**
    - 9 **Send data for Repeater DC**
  - 5 Network configuration
  - 6 Data transfer
  - 7 Radio Frequency interface
  - 8 Ethernet interface
  - 9 Bluetooth interface
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

H 4 1 **Baud rate**

1200 - 2400 - 4800 - 9600 - 19200 - 38400 - 57600 - 115200 (9600).

2 **Parity type**

- (•) None
- ( ) Odd
- ( ) Even

3 **Word length**

- ( ) 7 bit
- (•) 8 bit

4 **Stop bit**

- (•) 1 bit
- ( ) 2 bit

5 **CTS status**

Synchronism signal of printer/connected device:

Mod. “TPR” / “PR80” Dini Argeo: Low
Mod. “LX300” / “TM295” Epson: Low
Mod. “LP542S” / “SMTPLUS” Dini Argeo: Low
Mod. “USBC” Dini Argeo: Low

- (•) Disabled
- ( ) Low
- ( ) High
- ( ) Emulated

Set “disabled” to communicate with the PC.

6 **CTS Emulation Chars Number**

Only visible if "CTS status" = "Emulated". (For use by the manufacturer).

7 **CTS Emulation Interval**

Only visible if "CTS status" = "Emulated". (For use by the manufacturer).

8 **Protocol**

- (•) Disabled –
- ( ) Standard — To transmit the standard DINI ARGEO string.
- ( ) Repeater 6 Digits — For repeater mod. DINI ARGEO.
- ( ) Repeater DC — Configures up to 3 weight repeaters, each of which displays different information.
- ( ) Network — Activates the “network between tools” mode.

9 **Send data for Repeater DC**

Only visible if ""Protocol" = "Repeater DC"

Configuration of “Ripetitore DC” protocol in order to connect several repeaters in RS485 network and to simultaneously view different weights:

Scale 1 (Address 01)

- (•) Disabled
- ( ) Only if active
- ( ) Always

i For platforms with digital cells, the network of repeaters can be connected directly to the RS485 network of the cells.

Optimized layout for A4 print.

Serial ports

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H **Serial ports**
  - 1 Serial ports function mode
  - 2 Printer port configuration
  - 3 Pc port configuration
  - 4 Auxiliary port configuration
  - 5 **Network configuration**
    - 1 **Node group**
    - 2 **Node ID**
    - 3 **IP Mode**
    - 4 **IP Address**
    - 5 **Subnet mask**
    - 6 **Automatic db alignment**
    - 7 **Network name**
    - 8 **Send network configuration**
  - 6 Data transfer
  - 7 Radio Frequency interface
  - 8 Ethernet interface
  - 9 Bluetooth interface
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

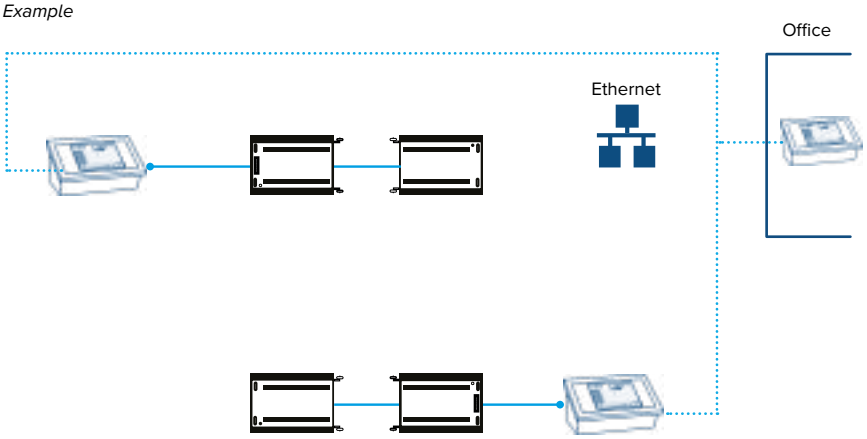
H 5 Network configuration

Only visible if "Protocol" = "Network" in "Pc port configuration" or "Auxiliary port configuration".

Configuration menu of network between tools.

The network between tools allows you to share the databases and weighs carried out in real time, implementing systems with several indicators.

Example



1 Node group

A group of nodes is a set of indicators, linked via Ethernet, which share the weighs database and the other databases.

There can be several node groups linked to the same corporate Ethernet circuit.

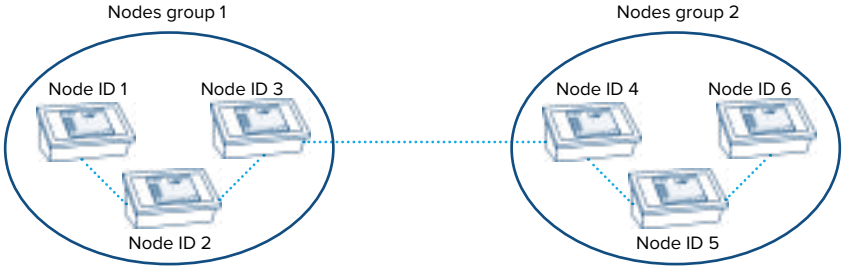
1 - 8 (1)

2 Node ID

Identifies the tool in its group of origin.

1 - 32 (1)

Example



3 IP Mode

◉ Static IP address ○ Dynamic IP address

4 IP Address

Only visible if "IP Mode" = "Static IP address".

Allows you to configure IP address

0 - 255 (0. 0. 0. 0).

5 Subnet mask

Only visible if "IP Mode" = "Static IP address".

Allows you to configure the subnet mask.

0 - 255 (255. 255. 255. 0).

6 Automatic db alignment

Each record in the database and each new weigh are shared in real time by all tools online belonging to the same group.

○ Disabled ◉ Enabled

7 Network name

Allows you to program the name of the Ethernet module for quick identification in the corporate network (e.g.: “Indicator 1”, “Office indicator”).

Max. 15 characters.

8 Send network configuration

Send the configuration to the Ethernet module.

Optimized layout for A4 print.

Serial ports

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H **Serial ports**
  - 1 Serial ports function mode
  - 2 Printer port configuration
  - 3 Pc port configuration
  - 4 Auxiliary port configuration
  - 6 **Data transfer**
    - 1 **Data transfer device**
    - 2 **Data transfer separator**
  - 7 Radio Frequency interface
  - 7 Radio Frequency interface
  - 8 Ethernet interface
  - 9 Bluetooth interface
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

H 6 Data transfer

Data transfer configuration.

1 Data transfer device

Set the communication port(s) on which to transmit data.

⚙ ◯ Pc port | ◯ Auxiliary port | ◯ USB
◯ SD | ◯ Internal Ethernet TCP | ◯ Internal Ethernet UDP

Visible only in models with 8" display.

2 Data transfer separator

Visible only if at least one port has been selected in "Data Transfer Device".
Allows you to configure the separator character (ASCII code) between print blocks.

⚙ *0 - 255 (59 ";")*

Optimized layout for A4 print.

Serial ports

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H **Serial ports**
  - 1 Serial ports function mode
  - 2 Printer port configuration
  - 3 Pc port configuration
  - 4 Auxiliary port configuration
  - 5 Network configuration
  - 6 Data transfer
  - 7 **Radio Frequency interface**
  - 8 **Ethernet interface**
    - 1 **Interface type**
    - 2 **Communication port**
    - 3 **IP mode**
    - 4 **IP address**
    - 5 **Subnet mask**
    - 6 **Send configuration**
  - 9 **Bluetooth interface**
    - 1 **Communication port**
    - 2 **Device name**
    - 3 **Role**
    - 4 **Paired device**
    - 5 **Send configuration**
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

H 7 Radio Frequency interface

Configuration of radiofrequency module.

1 Communication port

Set the communication port which the radiofrequency module is connected to.

- ⚙ ◉ Disabled
- ○ Pc port
- ○ Printer port
- ○ Auxiliary port

2 Channel

Allows you to configure the radio channel used by the radiofrequency module to communicate. Once the selection of the channel has been confirmed, the tool automatically sends the new configuration to the radio module.

Refer to the manual of the radio module for the choice of the radio channel (QSG_RF2G4).

H 8 Ethernet interface

Allows you to configure the Ethernet module to communicate with the corporate computer system.

1 Interface type

- ⚙ ◉ External (ETHD)
- ○ Internal TCP
- ○ Internal UDP

👁 Only visible on 8 inch models. 👁 Only visible on 8" models.

2 Communication port

- ⚙ ◉ Disabled
- ○ PC port
- ○ Printer port
- ○ Device name

3 IP mode 👁

- ⚙ ◉ Static IP address
- ○ Dynamic IP address

4 IP address 👁

Configuring the “Static IP” mode allows you to configure the IP address.

⚙ *0. 0. 0. 0*

5 Subnet mask 👁

Configuring the “Static IP” mode allows you to configure the subnet mask.

⚙ *255. 255. 255. 0*

6 Send configuration 👁

Allows you to send the configuration to the Ethernet module.

H 9 Bluetooth interface

Configuration of bluetooth module.

1 Communication port

Set the communication port which the bluetooth module is connected to.

- ⚙ ◉ Disabled
- ○ PC port
- ○ Printer port
- ○ Porta ausiliaria

2 Device name 👁

Enables you to configure the name that identifies the device (i.e. the indicator).

The default name is recommended: BTDA_xxx, editable.

⚙ *Max. 20 characters.*

3 Role 👁

Enables you to configure the operating mode.

- ⚙ ◉ Slave — By selecting “Slave”, the indicator waits for a master device to request connection, for example to a PC.
- ○ Master — By selecting “Master”, the indicator requests connection to a master device, for example a scanner, printer, or other Slave indicator, etc.

4 Associated device 👁

👁 *Only visible if "Role = Master".*

The indicator activates a search for available devices and displays them on the screen.

Select the device to associate.

5 Send configuration 👁

Allows you to send the configuration to the bluetooth module.

i The parameters from H 8 3 to H 8 6 are only visible if "Communication port" (H 8 2) ≠ "Disabled"

The parameters from H 9 2 to H 9 5 are only visible if "Communication port" (H 9 1) ≠ "Disabled"

Optimized layout for A4 print.

Printout / Ext. keyboard - Barcode reader

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
- I **Printout**
- J **Ext. keyboard - Barcode reader**
  - 1 **Keyboard port use**
  - 2 **External pc keyboard type**
  - 3 **Barcode reader serial port**
  - 4 **Input text automatic compilation**
  - 5 **Barcode reader length threshold**
  - 6 **Barcode reader use**
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) *Indicates the default configuration.*

Optimized layout for A4 print.

I 1 **Printout headings**

Filling out the “Line”, these appear in the print header.

1 **Line 0**

Max. 24 characters.

2 **Line 1**

Max. 24 characters.

3 **Line 2**

Max. 24 characters.

J 1 **Keyboard port use**

Allows you to define whether the keyboard emulation inlet, on the display board, is connected to an external PC keyboard (PS2) or to a card reader.

- ◉ Connected to a pc keyboard
- ○ Connected to a barcode reader

2 **External pc keyboard type**

- ○ Italiano
- ○ Français
- ○ Deutsch
- ◉ English

Italiano / English = QWERTY
Français = AZERTY
Deutsch = QWERTZ

3 **Barcode reader serial port**

Allows you identify the port which the serial barcode / Badge / Tag / RFID reader is connected to.
If “Not connected” is selected, connect the external reader/keyboard to the connector on the display board.

- ◉ Not connected
- ○ Printer port
- ○ Auxiliary port

4 **Input text automatic compilation**

Only visible if "Keyboard port use" = "Connected to a barcode reader" or "Barcode reader serial port" ≠ "Not connected".
Enables or disables autofill of free text 0.

- ◉ Disabled
- ○ Enabled

5 **Barcode reader length threshold**

Only visible if "Input text automatic compilation" = "Enabled".
For use by the manufacturer.

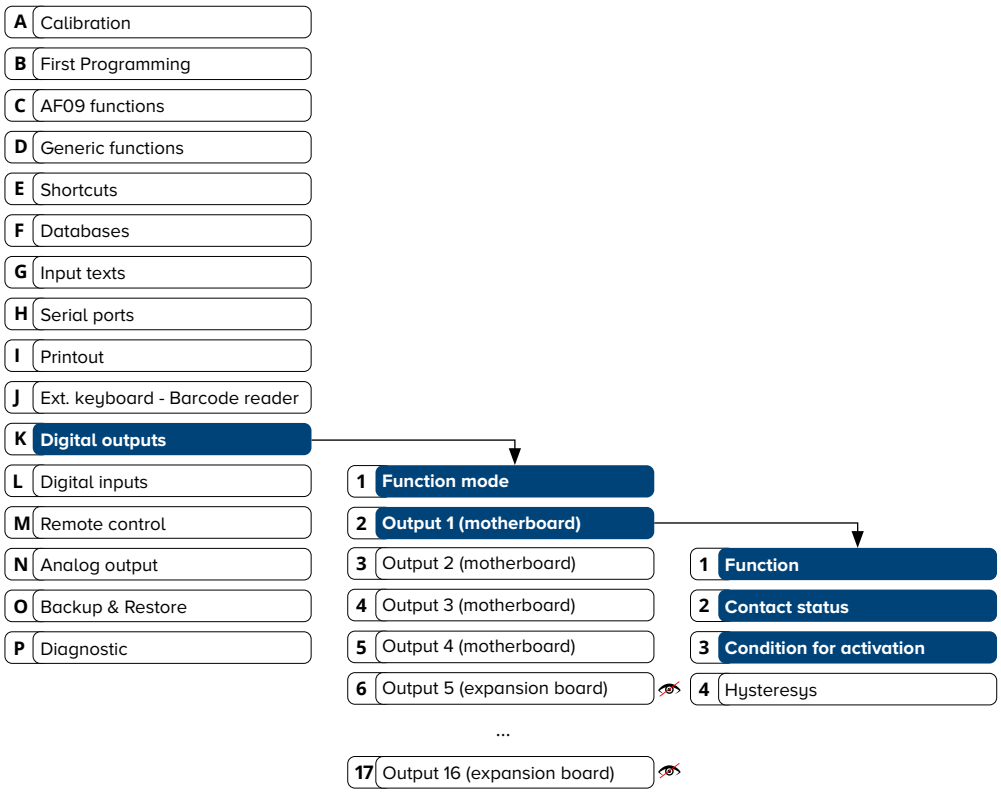
6 **Barcode reader use**

Allows you to set the operating mode of the barcode / Badge / Tag / RFID reader.

- ○ Search card — Quick selection of records and execution of weigh. Use the description of the card, even partial, as a search criteria.
- ◉ Search card for whole word only — Quick selection of records and execution of weigh. Use the complete description of the card as a search criteria.
- ○ Search ID code — Execution of second weigh by quickly recalling the ID of the first weigh. Use the weigh ID as a search criteria.

Optimized layout for A4 print.

Digital outputs



KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

The tool is set up for 4 digital outputs on the motherboard, which can be expanded to 16 with the optional expansion board.

K 1 Function mode

Allows you to activate only one relay at a time (“Exclusive” mode); useful for managing multi-colour traffic lights.

⚙ ◉ Normal ○ Exclusive

The configuration menu of a digital output is displayed below (in following example “Output 1”).

2 Output 1

1 Function

⚙ ◉ Disabled	-
○ Gross weight	Switching of the relay on the set point (gross weight).
○ Net weight	Switching of the relay on the set point (net weight).
○ Gross weight = 0	The relay switches when the gross weight is equal to 0.
○ Net weight = 0	The relay switches when the net weight is equal to 0.
○ Instability	Switching of the relay at instability of the weight.
○ Totalisation done	Activated upon execution of the single weigh and of the double weigh.
○ Setpoint on the partial total	Function can be used when the first weigh is greater than the second.
○ Setpoint on the general total	Function can be used when the first weigh is greater than the second.
○ Setpoint on the grand total	Function can be used when the first weigh is greater than the second.
○ Negative net weigh	Set point that can be set on the net negative weight.
○ Double or single weigh	Activation of the relay after first, second or single weigh acquired.
○ Weigh acquisition	Activation of relay at each weigh carried out.
○ Traffic light	Function which regulates passage of the vehicle on the weighing system (can be activated by means of 2 outputs).
○ Axle acquisition	The set point is active when the weight of the axle exceed the “Minimum axle weight” **C 2 1** and remains active until its acquisition.
○ Axle acquisition error	If the indicator triggers an “"Axle acquisition error”, the relay is activated intermittently until the end of the acquisition cycle.
○ Axles total setpoint	It is enabled upon reaching the total axle weight in a single cycle (setting the set point). It remains active until a new cycle is started.
○ Generic axle out of tolerance	Activation of relay when an axle is out of tolerance. The relay returns to the initial status at passage to 0 (setting the set point).
○ Axle 1 out of tolerance ... ○ Axle 10 out of tolerance	Activation of relay when the axle is out of tolerance. The relay returns to the initial status at passage to 0 (setting the set point).
○ Traffic l. yellow cycle	Activation of relay when weigh carried out. Tells the user to unload the weighbridge. Function can be activated coupled to “Traffic light” function.
○ In axles weighing cycle	Activation of relay on opening a weighing cycle. It remains active until its end.

2 Contact status

Normally open/normally closed

⚙ ◉ Normally opened (NO) ○ Normally closed (NC)

3 Condition for activation

The output can be activated immediately when the set threshold is reached (“Direct” mode) or waits for stability.

⚙ ◉ Direct ○ At the weight stability

Digital outputs

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K **Digital outputs**
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- P Diagnostic

Digital outputs

- 1 Function mode
- 2 **Output 1 (motherboard)**
- 3 **Output 2 (motherboard)**
- 4 **Output 3 (motherboard)**
- 5 **Output 4 (motherboard)**
- 6 **Output 5 (expansion board)**
- ...
- 17 **Output 16 (expansion board)**

Output 1 (motherboard)

- 1 Function
- 2 Contact status
- 3 Condition for activation
- 4 **Hysteresys**

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

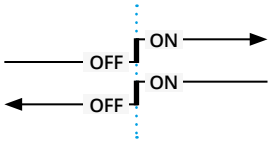
Optimized layout for A4 print.

4 **Hysteresys**

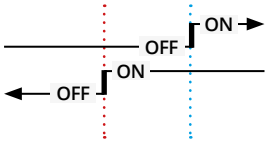
Enables double threshold operation (activation weight threshold ≠ from output deactivation weight threshold)

⚙ ◉ Disabled ○ Enabled

Single threshold *(disabled)*



Double threshold *(enabled)*



Single threshold: the relay switches when the set threshold is exceeded. It goes back to the initial condition when the weight value has dropped below the threshold.
Double threshold: the relay switches when the set threshold is exceeded. It goes back to the initial condition when the weight value has dropped below the hysteresis threshold.

The following is the default configuration of the following outputs:

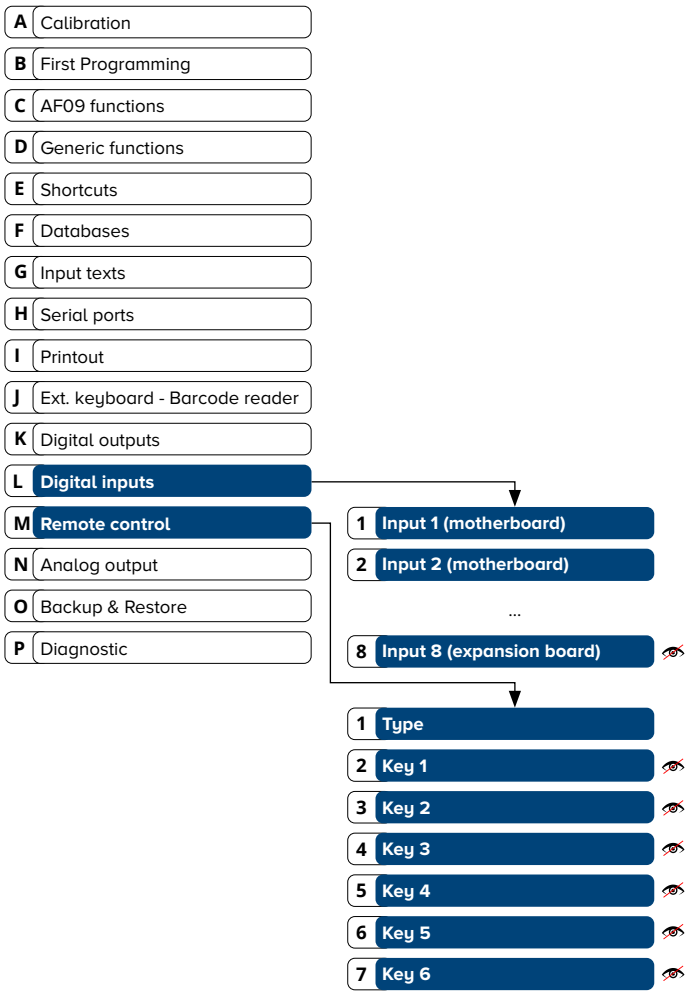
Output 2 ... Output 16

Function	⚙ ◉ Disabled
Contact status	⚙ ◉ Normally opened (NO)
Condition for activation	⚙ ◉ Direct
Hysteresys	⚙ ◉ Disabled

The parameter of output 2 and output 3 is set to "Function" = "Net weight".

Optimized layout for A4 print.

Digital inputs - Remote control



KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

The tool is set up for 2 digital inputs on the motherboard, which can be expanded to 8 with the optional expansion board.

L 1 **Input 1 (motherboard)**

~

8 **Input 8 (expansion board)**

Allows you to associate the desired function to input 1.

◉ Disabled	-
○ Key	Simulates short pressing of a key (for indicators with a keyboard).
○ User setup	ON with user set-up.
○ User setup function by index	Enables the request of the desired function on the display.
○ Single function	Allows you to associate a specific function of the user menu to the input.
○ Sequence 1	Allows you to associate one of the 10 sequences available.
○ Sequence 2	
...	
○ Sequence 10	
○ Lock/Unlock keyboard	If active, it locks the keyboard; if disabled, it unlocks it.
○ Indicator turning off	If active, it switches off the indicator; restarting is only possible from the keyboard.
○ Show "-------" on the display	If active, it inhibits the weight.
○ Disable all the digital outputs	If active, it disables all relay outputs.
○ Simulation of key long pression	If active, pressing any key on the keyboard will be considered as "long", thus enabling the second function.
○ Connection to a level controller	If active, it inhibits the weight. Useful to manage the electronic spirit level.
○ OUT1 and OUT2 for dosage	If active, it enables consent for simple dosing.
○ Weighing cycle enable	If enabled, it allows vehicle weighing. It can be enabled by means of a pulse.
○ First weigh consensus	If disabled, it prevents input weighing.
○ Second weigh consensus	If disabled, it prevents output weighing.

M 1 **Type**

Allows you to configure the type and operation of the remote control.

◉ Disabled	
○ Radio 6 keys	The use this function, the remote control must be associated to the indicator (max 3 remote controls).
○ Radio 6 keys in broadcast mode	Supports up to 6 remote controls for each indicator without needing to associate them.
○ Radio in tag emulation	

i By selecting the types of remote control "Radio 6 keys" and "Radio 6 keys in broadcast mode", the desired function must be associated to each key (6) choosing between: Disabled, Key simulation, User set-up, User set-up function from index, Single function, Sequence 1... 10, Lock/Unlock keyboard, Indicator switch-off, View "-------" on display, Disable all outputs, Long press simulation, Connected to level controller.

Only visible if "Tipo" = "Radio 6 keys" or "Radio 6 keys in broadcast mode".

By selecting the types of remote control "Radio 6 keys" and "Radio 6 keys in broadcast mode", the desired function must be associated to each of the 6 keys.

2	**Key 1**	◉ Tare
3	**Key 2**	◉ Zeroing
4	**Key 3**	◉ First weigh
5	**Key 4**	◉ Second weigh
6	**Key 5**	◉ ON-OFF / CLEAR
7	**Key 6**	◉ Close weighing cycle

Optimized layout for A4 print.

Analog output

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- **N Analog output**
  - **1 General settings**
  - **2 Scale 1**
    - **1 Value related to full capacity**
    - **2 Value related to unloaded scale**
    - **3 Value related to underload**
- O Backup & Restore
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

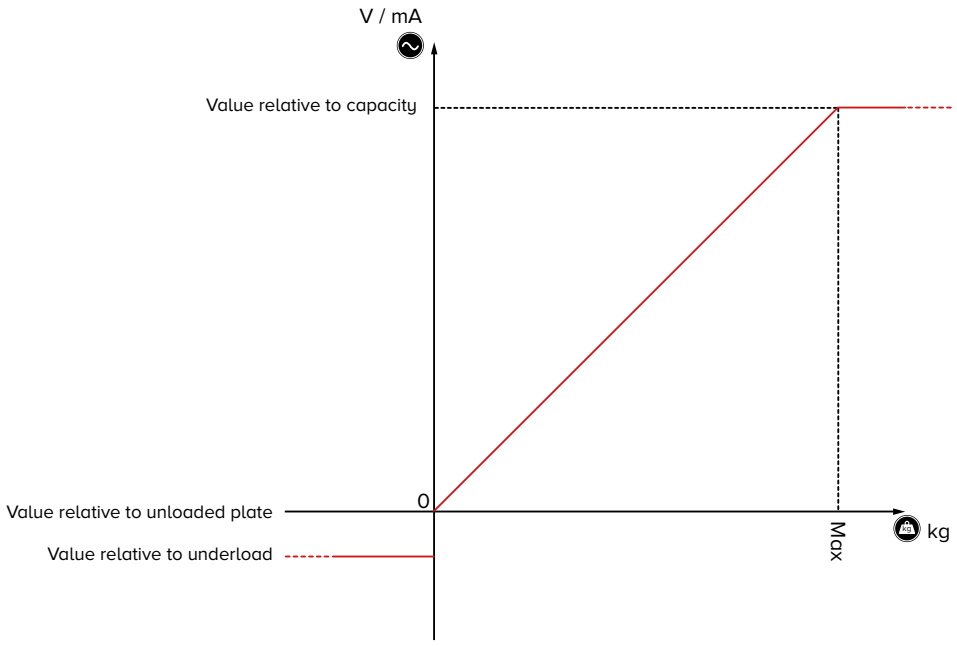
The tool, equipped with optional expansion board, is set up for installation of an analogue output proportional to the weight of the displayed scale (0 ... 5V, 0 ... 10V, 0 ... 20mA, 4 ... 20mA).

N 1 General settings

1	**Communication port**	◉ Disabled	○ Printer port	○ Auxiliary port
2	**Expansion board slot**	◉ Slot 1	○ Slot 2	
3	**Function**	◉ Proportional to the gross weight	○ Proportional to the net weight	

2 Scale 1

1	**Value related to full capacity**	*0 - 65535 (63250)*
2	**Value related to unloaded scale**	*0 - 65535 (1300)*
3	**Value related to underload**	*0 - 65535 (1300)*



Optimized layout for A4 print.

Backup and Restore

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- **O Backup & Restore**
  - **1 Backup of the configuration**
  - **2 Clearing of ACW counters**
  - **3 Restore keys**
  - **4 Databases initialization**
  - **5 Restore printouts**
  - **6 Alibi memory initialization**
  - **7 Cancellation of the buffered RAM**
  - **8 Restore functioning settings**
  - **9 Restore all settings**
- P Diagnostic

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

O 1 Backup of the configuration

Allows you to store the current configuration and to protect it with a password, in order to quickly restore operation of the indicator in case of malfunctioning due to incorrect tampering with the set-up.

2 Clearing of ACW counters

Allows you to reset the counters managing the automatic recalibration warning (D 4).

3 Restore keys

Allows you to restore the default features of the keyboard (if present), of the function sequences and of the touch buttons in the work screens.

4 Databases initialization

Allows you to delete the contents of the selected archives, restoring them back to their default settings.

- ☑ Customer dtb
- ☑ Material dtb
- ☑ Input texts
- ☑ Vehicle dtb
- ☑ Progressives dtb
- ☑ Card dtb
- ☑ Suppliers dtb
- ☑ Weighs dtb

5 Restore printouts

Allows you to restore the default condition of all printing formats and the work screens of the display.

6 Alibi memory initialization

Enables you to delete the content of the alibi memory.

7 Cancellation of the buffered RAM

Allows you to reset all the buffered RAM memory (except the serial number and digital cells), resetting the default status of the database (and relative parameters), of totals, progressives, keys and printouts.

8 Restore functioning settings

Allows you to restore the features of the indicator to the default condition.

9 Restore all settings

Allows you to cancel all the settings (calibration, key configuration, databases, prints, alibi memory, buffered RAM, features) by restoring the default condition.

Optimized layout for A4 print.

Diagnostic

- A Calibration
- B First Programming
- C AF09 functions
- D Generic functions
- E Shortcuts
- F Databases
- G Input texts
- H Serial ports
- I Printout
- J Ext. keyboard - Barcode reader
- K Digital outputs
- L Digital inputs
- M Remote control
- N Analog output
- O Backup & Restore
- **P Diagnostic**
  - **1 Indicator information**
  - **2 Weight test**
  - **3 Display test**
  - **4 Keyboard test**
  - **5 Voltage levels**
  - **6 Serial ports test**
  - **7 CTS test**
  - **8 Printout test**
  - **9 Outputs and Inputs test**
  - **10 Analog output test**
  - **11 Event log viewer**

KEY:

Parameter visible only in certain conditions.

Parameter or menu subject to approval.

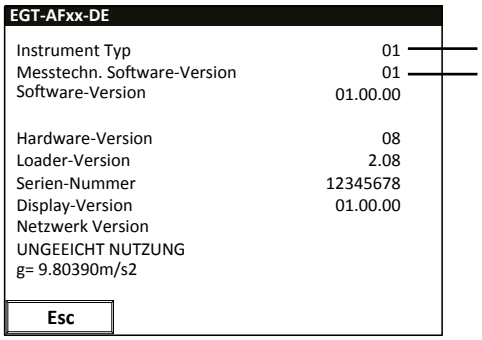
Possible configurations of the parameter.

o (x) Indicates the default configuration.

Optimized layout for A4 print.

P 1 Indicator information

Summarised screen of the main metrological information.



Prefix: identifies the tool model

Version: identifies the legal software

2 Weight test

Displays the current weight of the scale, even in error conditions (underload, overload, etc.).

3 Display test

Display of basic colours in sequence (White / Black and RGB)

4 Keyboard test

Allows you to verify correct operation of the touch screen and of the built-in keyboard (if present).

5 Voltage levels

Displays the voltage value at the input of the power supply and battery (if present).

6 Serial ports test

For use by the manufacturer.

7 CTS test

Test of the status of the control signal from the printer.

8 Printout test

Allows you to send the printer the selected printing format (from “1” to “30” or else “0” to send all formats).

9 Outputs and Inputs test

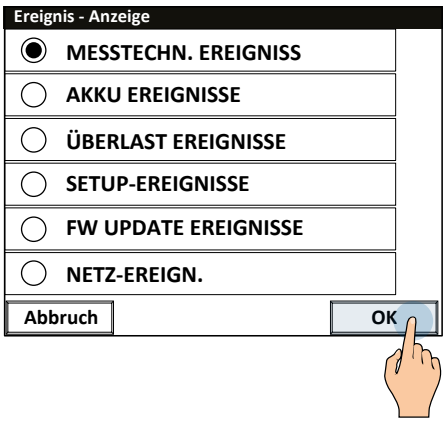
Allows you to verify the status of the digital inputs and testing of the relay outputs/built-in traffic light.
By clicking the desired output you activate/deactivate the connected device.
Click “R”, “Y” or “G” to test the built-in traffic light (if present).

10 Analog output test

Allows you to test the analogue output: enter a digital value for real time updating of the analogue output.

11 Event log viewer

Views the list of the last ten events of the selected category:



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List of functions

Scale functions		Preamble	Description
101	Zeroing	-	Manual reset of weight within +/- 2% of F.S.
103	Tare	-	Acquisition of tare weight by pressing the dedicated key.
104	Preset tare	from 0 to Max	Manual tare value entry function.
105	Lock/Unlock tare	-	Exchanges the “Lock tare” feature with “Unlock tare”.
106	Weight switching	-	If there is a tare, it exchanges the display between “Net weight” and “Gross weight”.
107	Weight in high resolution	-	Useful for metrological tests, allows you to view the weight with a sensitivity ten times higher.

Printout		Preamble	Description
201	Printer turning on	-	If the tool is equipped with an integrated printer, this function allows you to switch it on manually for configuration or to change the roll.
202	Simple printout	-	Allows you to print the weight on the scale without increasing the totals.
203	Last printout copy	-	Allows you to issue an exact copy of the last print carried out, freezing the weights and all the weigh data (databases, texts, etc.).
204	Change the printout format	-1	Accesses the association table of the printing formats.
		Single preamble from 1 to 18	Allows you to assign the desired printing format to the function indicated in the preamble.
		Double preamble in format xxyy xx: from 1 to 18 yy: from 1 to 30	Allows you to assign the desired printing format (yy) to the printing function (xx).
205	Printout format sending	-1	Accesses the printing formats table.
		from 1 to 30	Allows you to send the printer the specified printing format.
206	Ticket copies number	from 1 to 10	Allows you to set the number of copies issued for each print carried out.
207	Printer error management	-	For use by the manufacturer.

Print function	Index (xx)
Simple print	001
Partial total	002
General total	003
Grand total	004
Single weighing	005
First weigh	006
Second weigh	007
Customer total	008
Material total	009
Vehicle total	010
Print at start-up	011
First axle	012
Subsequent axles	013
End weighing cycle	014
Calculator result	015
Cycle error	016
Supplier total	017
Reprint format	018

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Generic functions		Preamble	Description
301	Screen switching	from 1 to 3	Allows you to exchange the operating screen among the three available.
302	Lock keyboard	-	Allows you to lock the indicator keyboard to prevent unintentionally pressing the keys. The keyboard is unlocked by means of the guided key combination.
303	Date and time setting	-	Allows you to adjust date and time.
304	Calculator	-	Recalls the calculator function.
305	Outputs setpoint setting	-1	Accesses the set points summary table.
		from 1 to 16	Recalls the menu where the relays activation/deactivation value is set.
306	Alibi memory reading	-	Allows you to check each weigh saved in the alibi memory.
307	Enable/disable zoom	-	Activates/deactivates the display of the weight with large digits.
308	Change language	from 0 to 4 or 255 (custom)	Allows you to change the program language in real time. Useful for self service systems.
309	Brightness adjustment	from 1 to 5	Allows you to adjust brightness of the display's back lighting.
310	Cross light (3 colors) function	-	Activates/deactivates the colour change function of the display depending on the set tolerances. This function also acts on the built-in LED traffic light (if present).
311	Wait syncronism (for Sequence)	For use by the manufacturer.	For use by the manufacturer.

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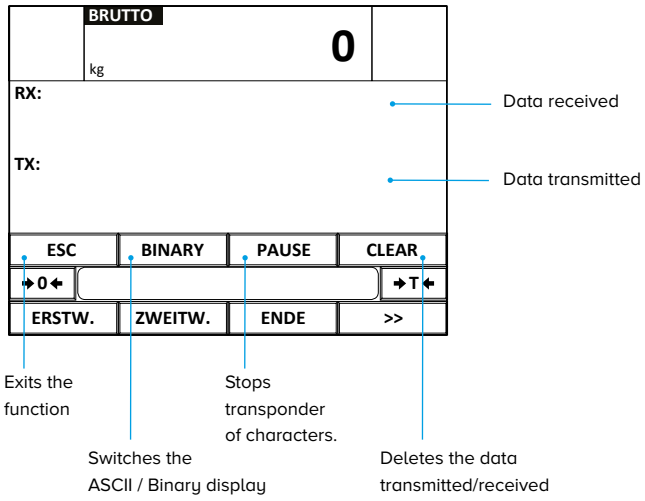
Diagnostic		Preamble	Description
401	Indicator information	-	Displays all the metrological/legal information of the indicator and of the installed program.
402	Weight test	-	Displays the current weight of the scale, even in error conditions (underload, overload, etc.).
403	Display test	-	Display of basic colours in sequence (White / Black and RGB)
404	Keyboard test	-	Allows you to verify correct operation of the touch screen and of the built-in keyboard (if present).
405	Voltage levels	-	Displays the voltage value at the input of the power supply and battery (if present).
406	Serial ports test	-	For use by the manufacturer.
407	CTS test	-	Test of the status of the control signal from the printer.
408	Printout test	-	Allows you to send the printer the selected printing format (from “1” to “30” or else “0” to send all formats).
409	Outputs and inputs test	-	Allows you to verify the status of the digital inputs and testing of the relay outputs/ built-in traffic light. By clicking the desired output you activate/deactivate the connected device. Click “R”, “Y” or “G” to test the built-in traffic light (if present).
410	Analog output test	-	Allows you to test the analogue output: enter a digital value for real time updating of the analogue output.
413	Events log viewer	-	Views the list of the last ten events of the selected category.
450	Metric information	-	Displays all the metrological information of the connected scales (Max, Min, and).
451	Serial Com test (runtime)	-	When you have chosen the communication port to be verified, the tool displays the characters received and transmitted in real time, in ASCII or binary format. 
452	Peripheral untis test (runtime)	-	Displays the current status of all the inputs, relay outputs, analogue output and serial ports.
453	Main screen guide	-	Summarised guide of all the features and main icons on the work screen.

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Input texts		Preamble	Description
502	Input texts resetting	99	Allows you to delete the content of all the input texts.
		from 0 to 49	Allows you to delete the content of the specified input text.
518	Text visualization time	0	Permanent display of the input text, specified in function "**519**", in the messages area (status bar) of the work screen.
		from 1 to 100 sec	Time the input text is displayed in the status bar.
		101	Display of the input text until the weight is > 0 kg.
		102	Display of the input text until the weight is stable.
		103	Display of the input text until output 1 is OFF.
		104	Display of the input text until output 2 is OFF.
		105	Display of the input text until output 3 is OFF.
519	Show text on status bar	from 0 to 14	Views the input text specified in the preamble in the message area (status bar) for the time set in function"**518**"

Databases		Preamble	Description
601	Customers database	-	Access compilation of customer database.
602	Customer selection	-1	Access the complete customer database.
		from 1 to 499	Access the customer database to select the desired record.
		9999	Unselect the active record.
603	Material database	-	Access compilation of materials database.
604	Material selection	-1	Access the complete materials database.
		from 1 to 499	Access the materials database to select the desired record.
		9999	Unselect the active record.
		10000	Selection with alphanumerical filter.
		10001	Selection by numerical index.
		10002	Activates the selection by image. Image format 68x68 px. Image stored on SD.
		10003	Activates the selection by image. Image format 138x33 px. Image stored on SD.
		10004	Activates the selection by image. Image format 68x33 px. Image stored on SD.
		10005	Activates the selection by image. Image format 68x68 px. Image stored on USB.
		10006	Activates the selection by image. Image format 138x33 px. Image stored on USB.
		10007	Activates the selection by image. Image format 68x33 px. Image stored on USB.
605	Vehicle database	-	Access compilation of vehicles database.
606	Vehicle selection	-1	Access the complete vehicles database.
		from 1 to 499	Access the vehicles database to select the desired record.
		9999	Unselect the active record.
607	Progressives database	-	Not used in the vehicles weighing application.
608	Cards database	-	Access compilation of cards database.
609	Text database	-	Access compilation of input texts
610	Text selection	-	Selection of input texts.
611	Supplier database	-	Access compilation of suppliers database.
612	Supplier selection	-1	Access the complete suppliers database.
		from 1 to 249	Access the suppliers database to select the desired record.
613	Card selection	-1	Access the complete cards database.
		from 1 to 999	Access the cards database to select the desired record.
		9999	Unselect the active record.

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AF09 functions		Preamble	Description
701	First weigh	-	Acquisition of the first weigh.
702	Second weigh	-	Acquisition of the second weigh.
703	Minimum threshold	-	Setting of minimum acquisition threshold.
704	Maximum threshold	-	Setting of maximum acquisition threshold.
705	Reset weighs list	-	Allows you to delete all the first weighs open.
708	Weighs list	-	Displays the list of the last 1000 open/closed weighs.
709	Preset weight for first weigh	-	Quick entry of the known weight to use as the first weigh.
720	Close weighing cycle	-	Manual closing of weighing cycle.
721	Reset weighing cycle	-	Allows you to delete the weighing cycle without storing the weights recorded.
722	Reset weighing cycle error	-	Allows you to continue the weighing operation instead of interrupting it after an axle acquisition error.
723	Weighing cycle pause	-	Press to pause the weighing cycle. Press again to restart the cycle.
724	Set manual weighing	-	Allows you to change the weighing mode. The weighing filter and parameters are edited.
725	Set static weighing	-	Allows you to change the weighing mode. The weighing filter and parameters are edited.
726	Set dynamic weighing	-	Allows you to change the weighing mode. The weighing filter and parameters are edited.
727	Minimum axle weight	-	Minimum weight value for each axle of the vehicle required to enable acquisition.
728	Average weight samples	-	Number of weighing readings when weighing each single axle.
729	Cycles time interval (sec)	-	Number of seconds elapsed (with less weight of “Minimum axle weight”) with which the weighing cycle ends automatically.
730	Beginning axles to skip	-	Allows you to set the number of axles not to accumulate at the beginning of weighing.
731	Ending axles to skip	-	Allows you to set the number of axles not to accumulate at the end of the weighing cycle.
732	Error enable	-	For use by the manufacturer.
733	Error disable	-	For use by the manufacturer.
734	Speed limit	-	Maximum speed with which the vehicle can drive on the platform.
735	Platform width	-	Allows you to calculate the correct speed of the vehicle (expressed in cm).
738	Enable min. speed checking	-	Enable the minimum speed control of the vehicle.
739	Disable min. speed checking	-	Disable the minimum speed control of the vehicle.

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Totals		Preamble	Description
801	View all totals	-	Alle Summen anzeigen. Summen-Art / NETTO / WÄGUNGEN ZWISCHEN 0 kg 0 GESAMT 0 kg 0 TAGES 0 kg 0 KUNDE 0 kg 0 MATERIAL 0 kg 0 FAHRZEUG 0 kg 0 LIEFERANT 0 kg 0 Esc
802	Reset all totals	-	Allows you to reset all the accumulated totals in one step.
803	Weighs to auto print partial t.	-	Not used in the vehicles weighing application.
804	Print partial total	-	Allows you to print the partial total accumulated.
805	Reset partial total	-	Allows you to reset the partial total accumulated.
806	Print general total	-	Allows you to print the general total accumulated.
807	Reset general total	-	Allows you to reset the general total accumulated.
808	Print grand total	-	Allows you to print the grand total accumulated.
809	Reset grand total	-	Allows you to reset the grand total accumulated.
850	Print customer total	-	Allows you to print the total of the selected customer.
851	Reset customer total	-	Allows you to reset the total of the selected customer.
852	Print customer total	-	Allows you to print the total of all customers in one step.
853	Reset customers total	-	Allows you to reset the total of all customers in one step.
854	Print material total	-	Allows you to print the total of the selected material.
855	Reset material total	-	Allows you to reset the total of the selected material.
856	Print materials total	-	Allows you to print the total of all materials in one step.
857	Reset materials total	-	Allows you to reset the total of all materials in one step.
858	Print vehicle total	-	Allows you to print the total of the selected vehicle.
859	Reset vehicle total	-	Allows you to reset the total of the selected vehicle.
860	Print vehicles total	-	Allows you to print the total of all vehicles in one step.
861	Reset vehicles total	-	Allows you to reset the total of all vehicles in one step.
862	Print supplier total	-	Allows you to print the total of the selected supplier.
863	Reset supplier total	-	Allows you to reset the total of the selected supplier.
864	Print suppliers total	-	Allows you to print the total of all suppliers in one step.
865	Reset suppliers total	-	Allows you to reset the total of all suppliers in one step.

Progressives		Preamble	Description
901	Additional value	For use by the manufacturer.	For use by the manufacturer.
902	Progressives digits	For use by the manufacturer.	For use by the manufacturer.
903	Ticket progressive	For use by the manufacturer.	For use by the manufacturer.
904	Lot progressive	For use by the manufacturer.	For use by the manufacturer.

Network functions		Preamble	Description
1001	Network state	-	For use by the manufacturer.
1002	Network monitor	-	Indicates the online tools and indicates who the “Master” indicator is.
1003	Network archive alignment	-	Aligns the databases of all the online indicators in real time.
1004	Unlock weighing list records	-	For use by the manufacturer.
1005	Connect network	-	Allows you to connect the indicator to the network.
1006	Disconnect network	-	Allows you to disconnect the indicator from the network.

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Notes

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Notes

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Notes

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The individual in charge of operating the scale must ensure that all safety regulations in force in the country of use are applied, ensuring that the appliance is used in accordance with the purpose it is intended for and to avoid any danger for the user.

The Manufacturer declines any liability arising from any weighing operation errors.

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DINI ARGEO
Scales - Weighing systems

HEAD OFFICE
Via Della Fisica, 20
41042 Spezzano di Fiorano, Modena - Italy
Tel. +39 0536 843418 - Fax +39 0536 843521

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano, Modena - Italy
Tel. +39 0536 921784 - Fax +39 0536 926654

www.diniargeo.com

Stamp of authorised support centre

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