DINI ARGEO
Scales - Weighing systems

DFWIECEX BATCH1

Program for mono component loading dosage systems

USER MANUAL ENGLISH

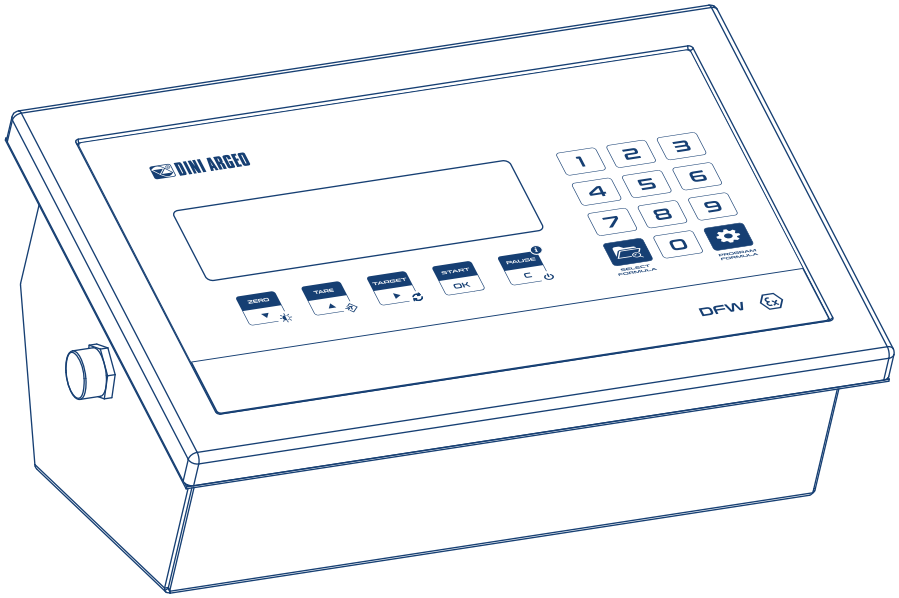

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Table of contents

Introduction

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

This document is intended to be read in conjunction with the DFWIECEX Tecchnical and User Manuals.
This manual describes the configuration of the BATCH1 weighing program; specific for weight and formulation accumulation.
It describes parameters and configurable values while providing practical programming examples, to help the technician while installing the indicator.

It is essential to read and understand this document to operate in the safest way. Carefully follow the instructions for programming the weight transmitter; performing actions not indicated in this manual could compromise the proper functioning of the scale.
The utmost care has been taken in compiling this manual, but reports of any inaccuracies are always welcome. The transmitter is covered by warranty and MUST NOT BE TAMPERED WITH BY THE USER under any circumstances. Any attempt at repair or modification mayexpose the user to electric shock and voids warranty conditions, relieving the Manufacturer from all liability.
Any problem with the product must be reported to the manufacturer or to the retailer where it was purchased.
Always TURN OFF THE POWER SUPPLY before performing installation, maintenance, or repairs.

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

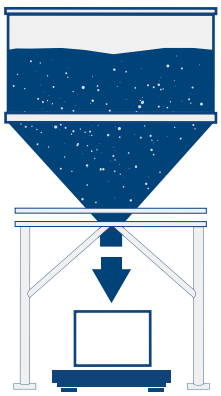
This document has been optimised for printing in A4 format.

About Batch1

DFWIECEX Batch1 provides the following features:

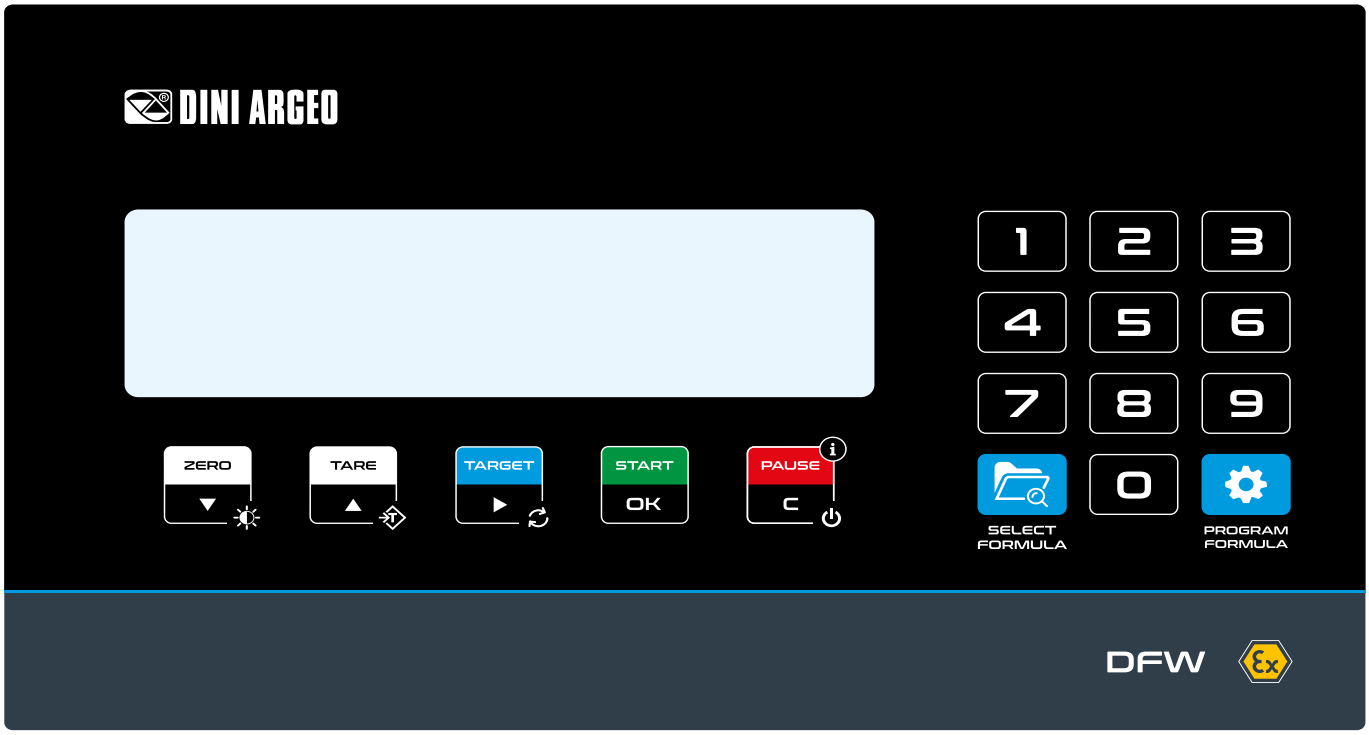
- Mono component loading dosage
- 50 formula database or Mono-formula mode with quick target change
- Dedicated keys for main dosage functions
- Start, pause and reset from keyboard or from remote buttons
- 12 digital outputs for dosage management
- Quick Setup
- Two level password
- Lance control
- 3 stage dosage speed control

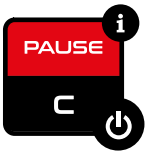
Loading dosage:



What are the dosing methods?

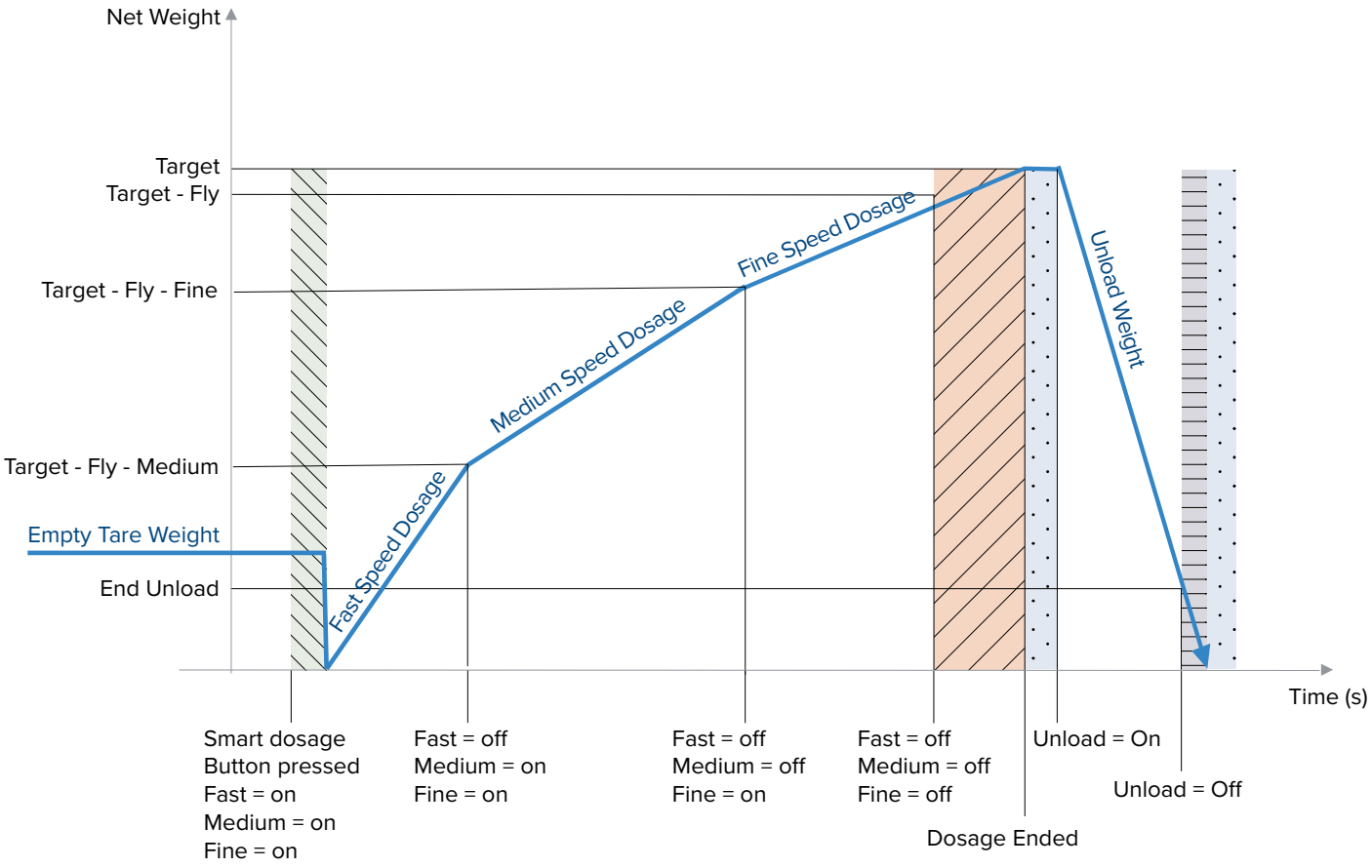
- manual dosing: performed by an operator
- automatic dosing: performed automatically by activating appropriate digital outputs



Item	Description	Item	Description
	Zeros outside the dosage cycle. Scrolls down through the menu.		Pauses dosage (resets dosage if paused) Returns to previous level in menu or cancels. Hold for 2 seconds to turn off the DFWIECEX.
	Tares outside the dosage cycle Scrolls up through the menu.		Press once to access the Formula database.
	Sets a different target for the selected formula. Or, if database function is off, sets the dose quantity. Scrolls right in the menu.		Press to access the Program Formula database. Press for 5 seconds to access the Program Dosage menu.
	Start dosage Confirms selection in menu.		Inputs 0 - 9 characters.

Dosage Process Diagram

The following example shows synchronized dosage outputs:

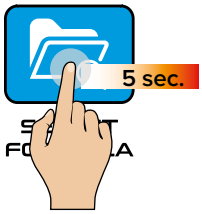


H.StArt	Wait stability	rEAd.H	Wait for remote devices data reading
Ht.FLY	Wait for weight in flight	H.u.LoAd	Wait for end of unload

Program Dosage Menu and Parameters

1. Turn on the scale.

2.Press for five seconds to access the Program Dosage menu.



3. Program Dosage menu displays:

A CAL
B 0.CAL
C doSAGE
D PrEC 10
E FiLtEr
F tArE
G rESEt
H diAG
I Pin.uSE
J Pin.db

i If the menu is password protected, it is only possible to access it by entering it. Alternatively, you can access a partial setup reserved for diagnostics.

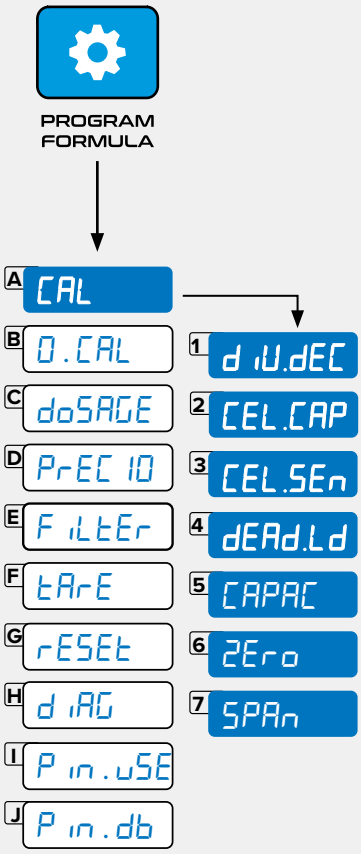
How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

= ↑
= ↓
= ↵
= C



CAL - Calibration

Item	Description
diU.dEC	Sets the scale resolution and the decimal point position. Resolution is set from 0,001 to 50
CEL.CAP	Sets the total capacity of all load cells For example, 4 load cells with a 1000 kg capacity, would be set as 4000 kg. *i* Note: This parameter is for theoretical calibration.
CEL.SEn	Sets the load cell sensitivity in mV/V. If multiple load cells are connected in parallel in a junction box, insert the sum of signals. *i* Note: This parameter is for theoretical calibration.
dEAd.Ld	Insert the dead load. If this is unknown, use the 0.CAL step. *i* Note: This parameter is for theoretical calibration.
CAPAC	Sets the maximum capacity (kg) of the scale
2Ero	Acquisition of Zero point. Completely independent from Span acquisition. *i* Note: This parameter is for calibration with weights.
SPAn	Acquisition of Span point. Completely independent from Span acquisition *i* Note: This parameter is for calibration with weights.
i Note: Zero and Span operate independently. For example, a zero condition can be stored and then spanned when the silo is filled at later.	

How to enter Program Dosage Menu

1. PROGRAM FORMULA — *5 Sec.*

How to browse

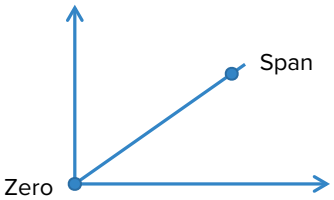
↑ = ↑
↓ = ↓
→ = ↵
← = C

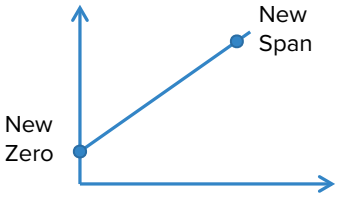
PROGRAM FORMULA

A CAL
B 0.CAL
C doSAGE
D PrEC 10
E FiLtEr
F tArE
G rESEt
H diAG
I Pin.uSE
J Pin.db

0.CAL ib - Zero Correction (Zero Calibration)

Item	Description
0.CAL	Zero Calibration function (Zero Correction) rewrites the Zero point and proportionally modifies the Span point without modifying the calibration curve. Also, this zeros something added to the scale structure after installation.





DINI ARGEO Scales - Weighing systems

How to enter Program Dosage Menu

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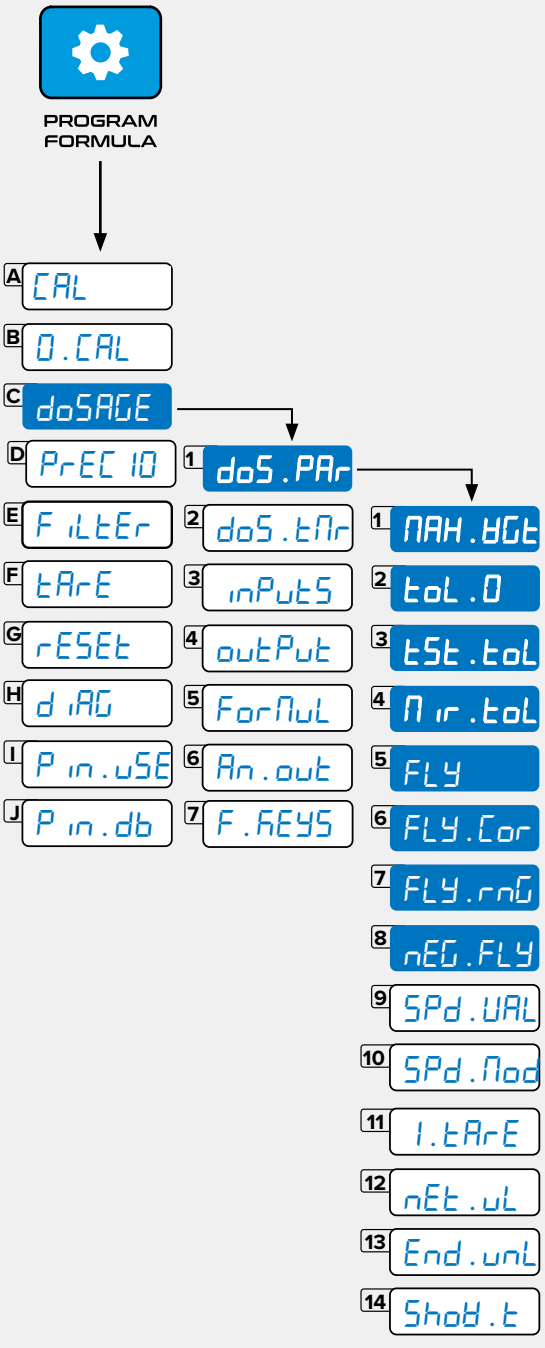

doS.PAr - Dosage Parameters

i doS.PAr parameters are common for all formulas.

Item	Description
MAX.WGt	Sets the safety weight threshold. If weight exceeds threshold, dosage stops and an Error appears
toL.0	Sets the empty scale tolerance range. This range sets a tolerance for a scale that can not register zero before dosage starts because of debris. This range starts a new cycle even if some debris register when the scale is empty. The scale is automatically tared at Start. *i* Note: If you set M in.tAr and MAX.tAr control in a formula, toL.0 threshold is not used in that formula.
tSt.toL	Sets the tolerance check at loading end. Set as WE iGht, PErC or d iSAb.
M ir.toL	Mirrored tolerance: • YES = Upper and lower tolerance thresholds will be equal (for example, +/- 5g or +/- 5%) • no = Upper and lower tolerance threshold can have a different values and are set as range for example, if the target is 1500 kg, you can set 1480 to 1540 kg) Only visible if tSt.toL = Weight
FLY	Activates Fly weight management (FLY setting inside a formula) • WE iGht = Threshold value expressed in weight • PErC = Threshold value in % of dosed target • d iSAb = Fly weight disabled *i* Note: The Fly weight value is set in each formula.
FLY.Cor	Activates Fly weight correction. The Fly Weight is automatically corrected by the dosage error function. • If tSt.toL is active and FLY.rnG parameter is =0, Fly weight correction is calculated only for in tolerance dosages. Higher the %, higher the correction impact and shorter the correction time. • If tSt.toL = oFF the flight weight correction is active even dosages out of tolerance. Only visible if FLY is active
FLY.rnG	Fly weight correction range: • If FLY.rnG = 0, correction happens only for in tolerance cycles. • If FLY.rnG is greater than = 0, correction is done for any dosage that ends in this range. Only visible if FLY.Cor ≠ 0
nEG.FLY	Negative fly compensates for when a lance removes product when extracted by dosing more of the target value. • YES = Negative fly weight enabled. Dosage stops at target + fly weight • no = Negative fly weight disabled. Dosage stops at target - fly weight Negative fly (useful when lance removes product when extracted). Instrument doses more of the target value to compensate for this weight loss. Only visible if FLY ≠ 0

How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

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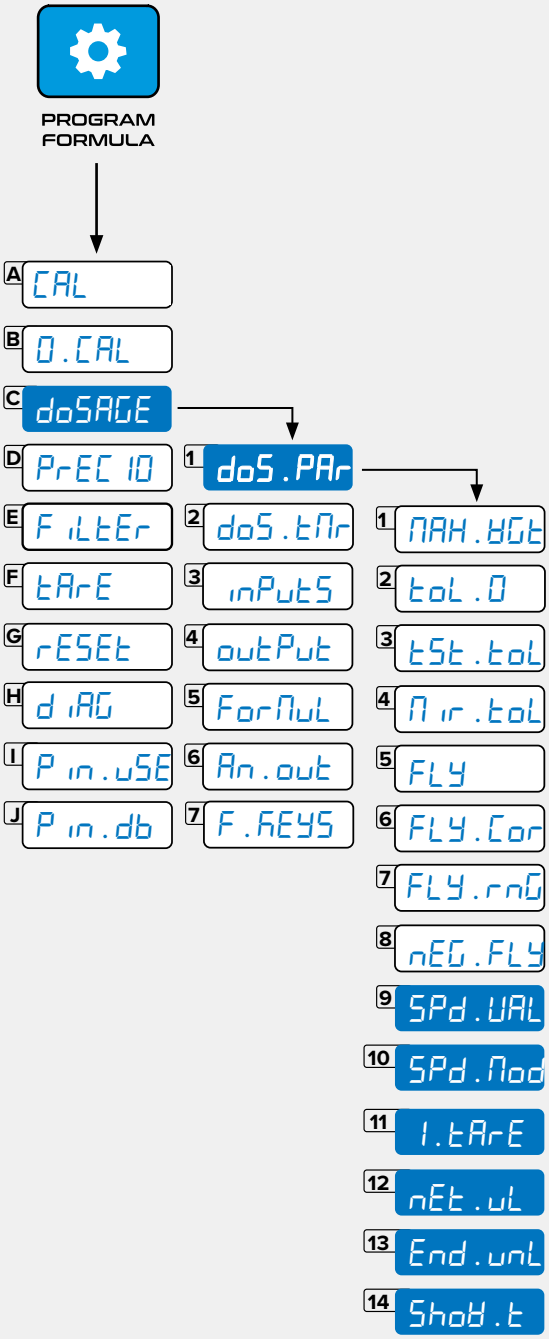

Item	Description
SPd.UAL	Activates Speed Dosage management (up to 3 speed stages): • HE iGht: Threshold value expressed in weight • PErC: Threshold value in % of dosed target • d iSAb: Two dosage speeds *i* Note: Speed change threshold is setup in each formula.
Sdd.Mod	Sets speed mode: In Standard mode, all speed relays are active at the same time and will be turned off consecutively during dosage. In Sequential mode, each speed relay will turn on just after the previous relay turns off. *i* Note: Speed thresholds are setup into each formula. STANDARD (Std) • From 0 kg to Medium speed: R1 + R5 + R2 are ON • From Medium speed to Slow speed: R5 + R2 are ON • From Slow speed to TARGET – Fly weight: R2 is ON SEQUENTIAL (SEq) • From 0 kg to Medium speed: R1 is ON • From Medium speed to Slow speed: R5 is ON • From Slow speed to TARGET – Fly weight: R2 is ON
I.tArE	Sets automatic tare at start dosage: If set yes, the scale always tares the weight at start. If set no, dosage will consider the weight on the scale at dosage start as part of the dosed quantity. This is useful when you need to dose a Gross value (for example, a gas bottle + gas = 50 kg) *i* Note: If a preset tare is manually programmed, dosage will consider the net weight.
nEt.uL	Shows Net weight during unload phase: • YES = Net weight displays during unload phase • no = Net weight does not display during unload phase
End.unL	Sets end unload threshold, The unload phase finishes when the weight is under this threshold. The higher this threshold, the shorter the unload phase. If = 0 kg, unload cycle is disabled.
ShoH.t	During the loading dosage phase the display shows the weight from tArGEt (start) to 2Ero (end of dosage) instead of 2Ero to tArGEt. This shows how much weight is missing to reach the target.

How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

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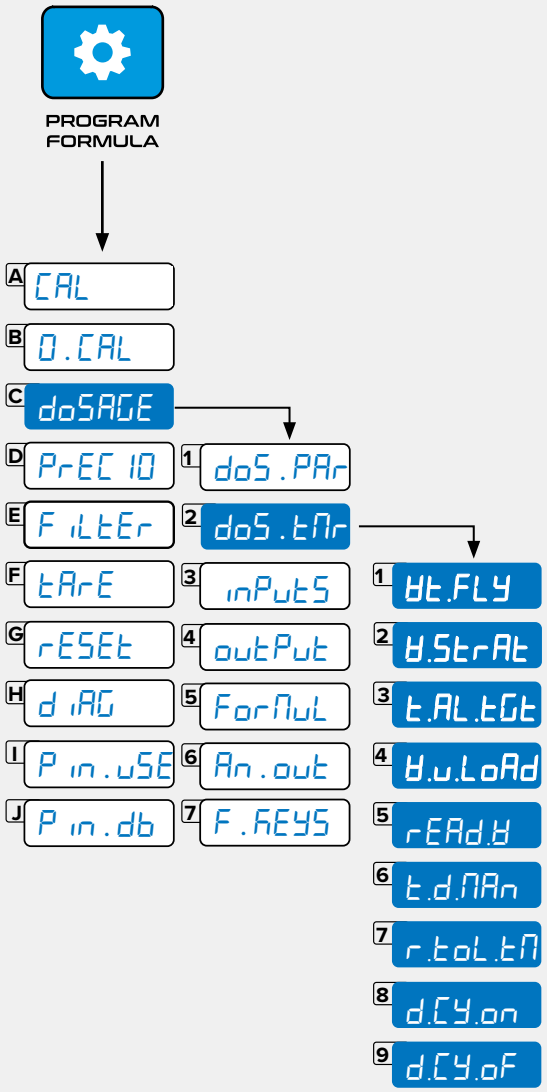
= ↵
= C



doS.tMr - Dosage timers

i doS.tMr parameters are common for all formulas.

Item	Description
Ut.FLY	Time to wait for material to fall down (for gravity) when dosage relay stops (Fly weight). Value as to consider the slower weight condition between the formulas in memory.
U.StrAt	Time for stability at dosage start. When start button is pressed, the scale verifies stability to acquire the accurate 0 kg value as a reference for the dosage. If weight will not stabilize within this time, an error displays.
t.AL.tGt	Dosage Watch Dog Alarm, if weight does not continuously increase for the time duration set in this step during the loading or unloading phase; the indicator stops the dosage and enters Alarm mode.
U.u.LoAd	End of unload delay, for automatic unload. Once the weight decreases under the End.unL threshold, that indicator waits for this time duration before turning off the unload relay. Lets the scale fully empty in case of dense material or powder.
rEAd.U	Timer at the end of loading and unloading, to help data reading from remote.
t.d.MAn	At the end of a manual load, the indicator waits for confirmation (press OK button). By enabling this timer, once the time is expired, acquisition is done automatically.
r.toL.tM	Sets the OK dosage relay pulse for in tolerance dosages.
d.Cy.on	Trickle mode manages dosage speed for systems with just one output (valve, gate, etc) with two duty cycle parameters: . d.Cy.on = Sets the time in seconds the output is active . d.Cy.oF = Sets the time in seconds the output is not active Typically, the parameters are set in less than 1 second intervals to continuously activate and deactivate the output. This continuous action configures the quantity of processed material in a given time period.
d.Cy.oF	

How to enter Program Dosage Menu

1. PROGRAM FORMULA — *5 Sec.*

How to browse

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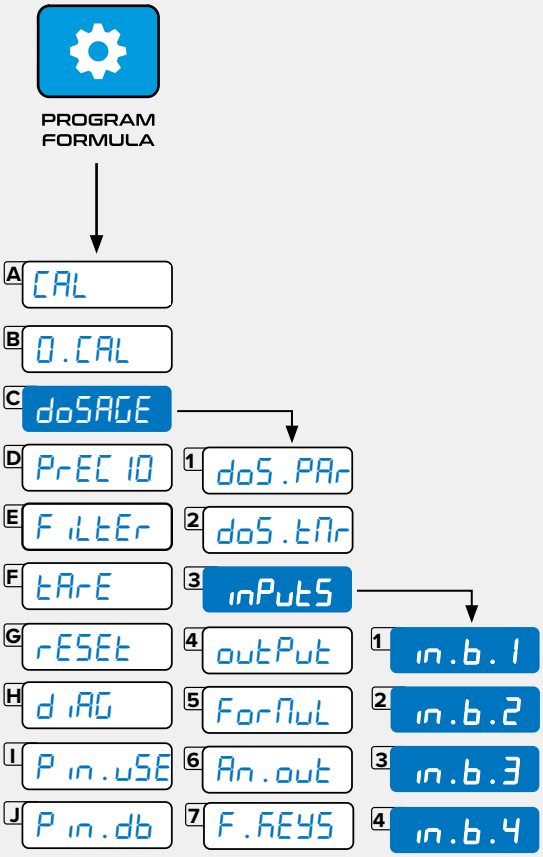
= ↓
= ↵
= C



inPutS - Inputs

Item	Default Setting	Available Settings
in.b.1	StArt	• StArt = Start Dosage • PAuSE= Pause Dosage (external switch) • rESEt= Reset current dosage • Cons = Dosage consensus (If input goes to OFF, dosage immediately stops) • LoCA.Kb= Keyboad lock • 2Ero= Emulation of zero key (*) • tArE= Emulation of tare key (*) • C= Emulation of C key (*) • no = input disabled
in.b.2	PAuSE	
in.b.3	rESEt	
in.b.4	-	

i Note: Each input can be configured with an available function.
(*): works only out of dosage.

How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

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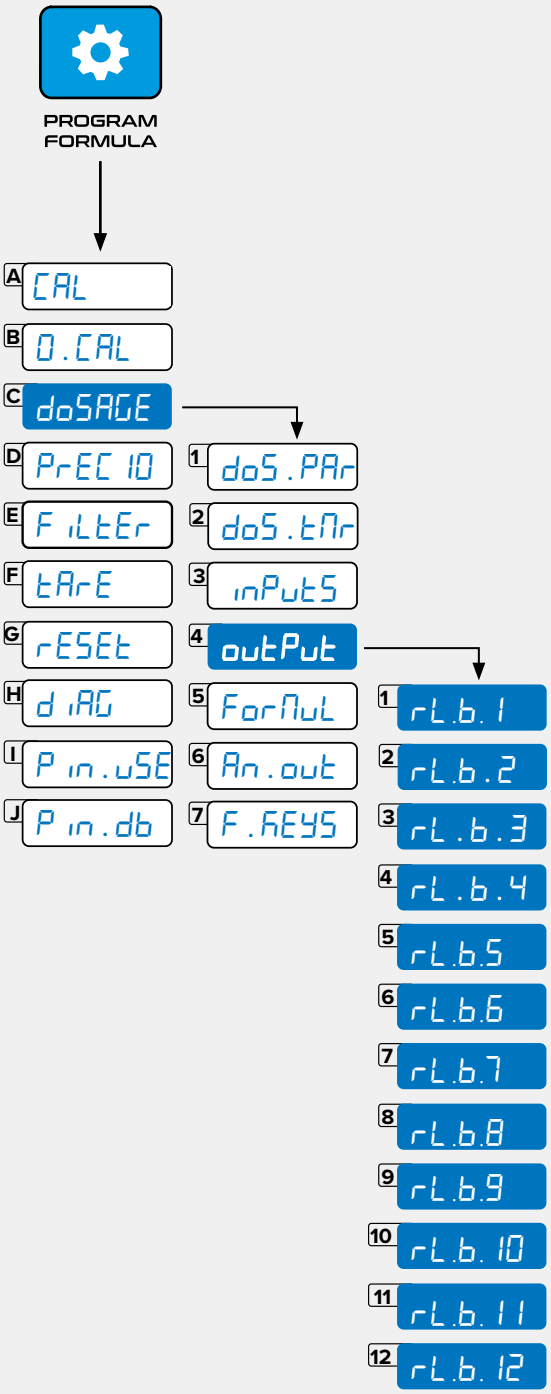
= ↵
= C



outPut - Output

Item	Default Setting	Available Settings
rL.b.1	FASt	• FASt: active during fast speed dosage • NEd iuN: active during medium speed dosage • SLoW: active during slow speed dosage • un.LoAd: active to unload the scale • Error: active in case of an error during the dosage • LAnCE: lance management • tr iCAL: active during slow speed dosage in trickle mode • oK.do5: active if the weight at the end of dosage is in tolerance • doSAGE: active during each phase of the dosage • do5.End: active at the end of the dosage • toL.Err: active if the weight dosed is out of tolerance • toL.PLu: active if the weight dosed is over the higher tolerance • toL.Min: active if the weight dosed is under the lower tolerance
rL.b.2	NEd iuN	
rL.b.3	SLoW	
rL.b.4	un.LoAd	
rL.b.5	Error	
rL.b.6	LAnCE	
rL.b.7	tr iCAL	
rL.b.8	oK.do5	
rL.b.9	-	
rL.b.10	-	
rL.b.11	-	
rL.b.12	-	

How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

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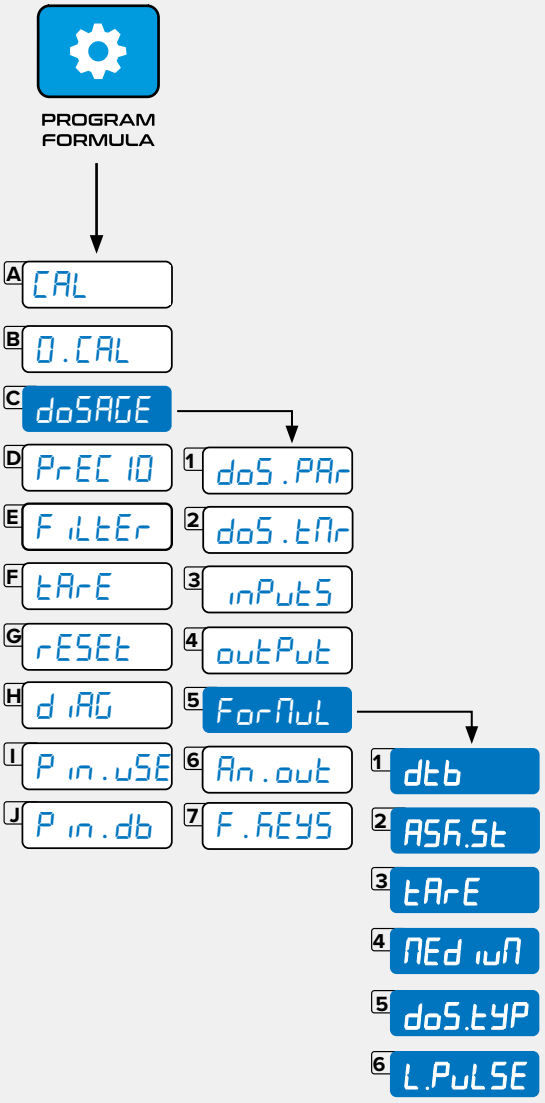
= ↓
= ↵
= C



ForMuL - Formula

Item	Available Settings
dtb	. YES = Database mode with 50 formulas . no = Single formula mode
ASK.St	. YES = the instrument asks to select formula every time a dosage is started . no = if a formula is selected, the instrument starts the dosage
tArE	. YES = tare control enabled . no = tare control disabled. toL .0 value will be controlled
MEd iuM	. YES = medium speed dosage relay management enabled . no = medium speed dosage relay management disabled
doS.tYP	. Aut .doS = automatic dosage for all formulas . MAn .doS = manual dosage for all formulas . ForMuL = dosage type set in the formula
L.PuLSE	. YES = lance function enabled . no = lance function disabled

i Note: These parameters help customize the formula structure for customer needs: you can choose to require to input just the target. For more complex applications, you can associate several parameters with each formula to fit to automate the process.

i Note: Set up a password in P in .db to protect the database programming.

How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

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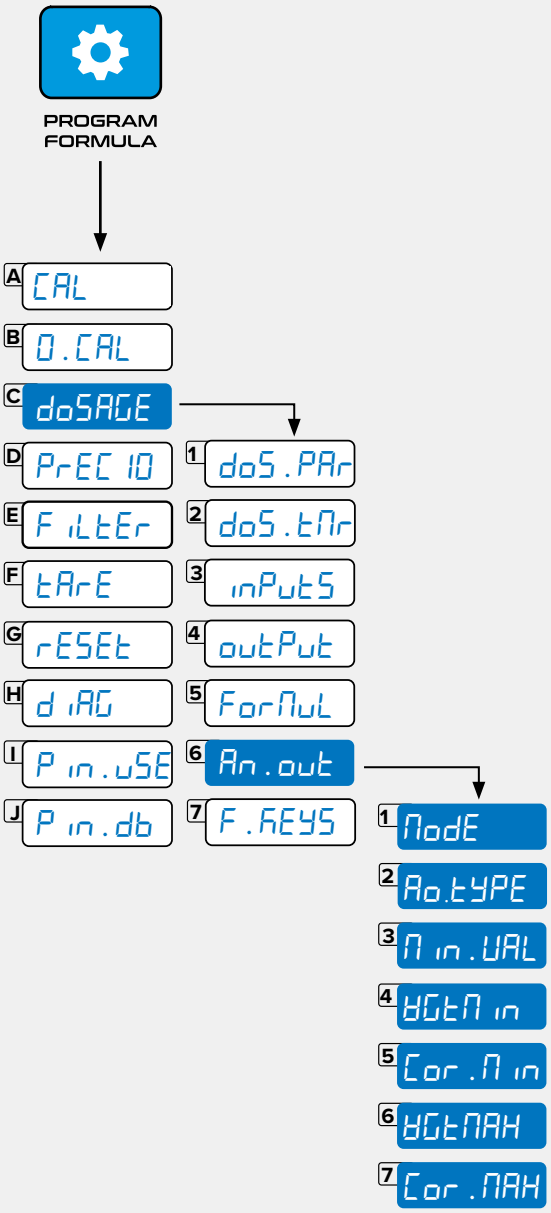
= ↓
= ↵
= C



An.out - Analog Output

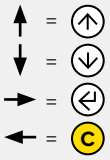
Item	Value	Description
ModE	doS.UAL doS.SPd Gross nEt	doS.UAL: analog output value proportional to the dosed value. 0 mA @ out of dosage status 4 mA @ start dosage status (START button pressed) XX mA @ Target (proportional to NET weight) See Analog Output - Dosage Value. doS.SPEEd (xx %): analog output value proportional to dosage speed. Start = Max Value mA Target = Zero value (4mA) Speed change happens when weight reached the % of (TARGET-FLY) set up in this step. See See Analog Output - Dosage Speed Mode. Gross: proportional to gross weight and independent from dosage cycle nEt: proportional to net weight and independent from dosage cycle
Ao.tYPE	4-20mA 0-20mA 0-5U 0-10U MAnuAL	Select the preset Mode; analogue output will be setup to default DAC values
Min.UAL	xxxxx	Analog output value (0...65535) corresponding to out of dosage status
WGt.Min	xxxxxx kg	Weight corresponding to analog output minimum value
Cor.Min	xxxxx	Analog output value (0...65535 corresponding to minimum weight (WGt.Min)
WGt.MAH	xxxxxx kg	Weight corresponding to analog output maximum value
CorMAH	00000	Analog output value (0...65535) corresponding to maximum weigh (WGt.MAH)

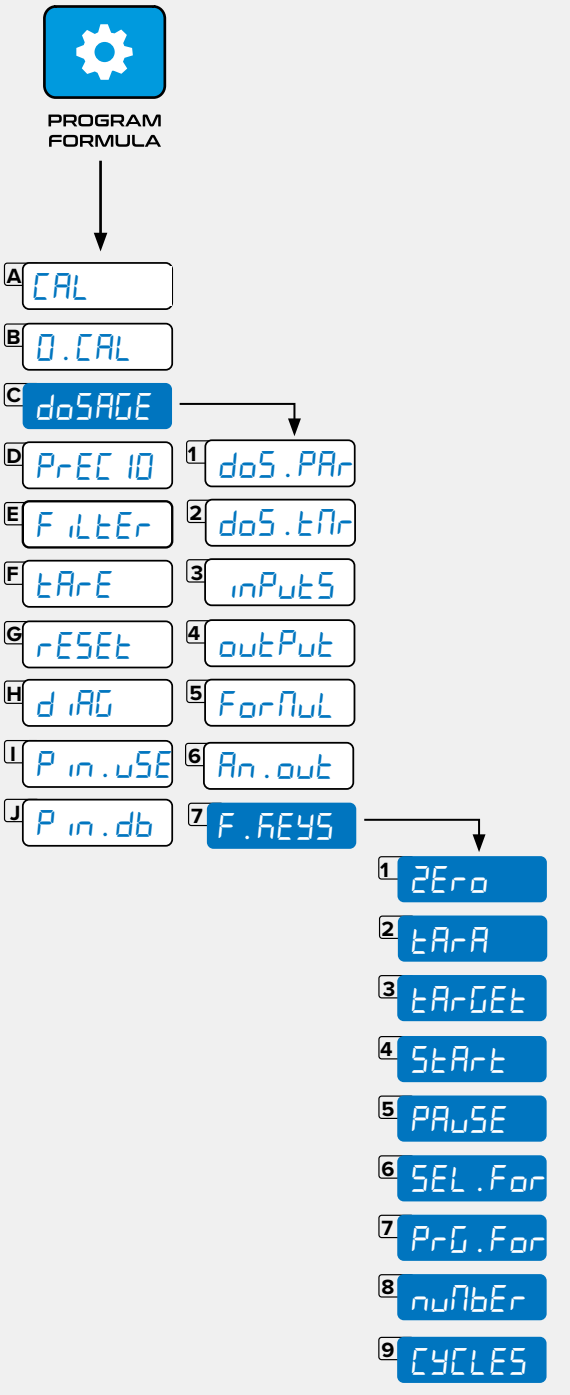
How to enter Program Dosage Menu

1. 

5 Sec.

How to browse





F.KEYS - Function Keys

Item	Description
2Ero	. YES = Enables zero key . no = Disables zero key In weighing status only Works as down arrow in menus and inputs
tArA	. YES = Enables tare key . no = Disables tare key In weighing status only Works as up arrow in menus and inputs
tArGEt	. YES = Enables target key . no = Disables target key In weighing status only Moving cursor on the right is allowed in numberical inputs
StArt	. YES = Enables start key . no = Disables start key In weighing status only Ok function is allowed in inputs and confirmations
PAuSE	. YES = Enables pause key . no = Disables pause key In weighing status only Tare clear function is not allowed Works as escape key in menus
SEL.For	. YES = Enables formula selection . no = Disables formula selection Even number + key is not allowed
PrG.For	. YES = Enables formula programming . no = Disables formula programming Entering in user menu with pressure at length is allowed
nuMbEr	. YES = Enables number key . no = Disables number key
CYCLES	. YES = Enables cycle key . no = Disables cycle key

How to enter Program Dosage Menu

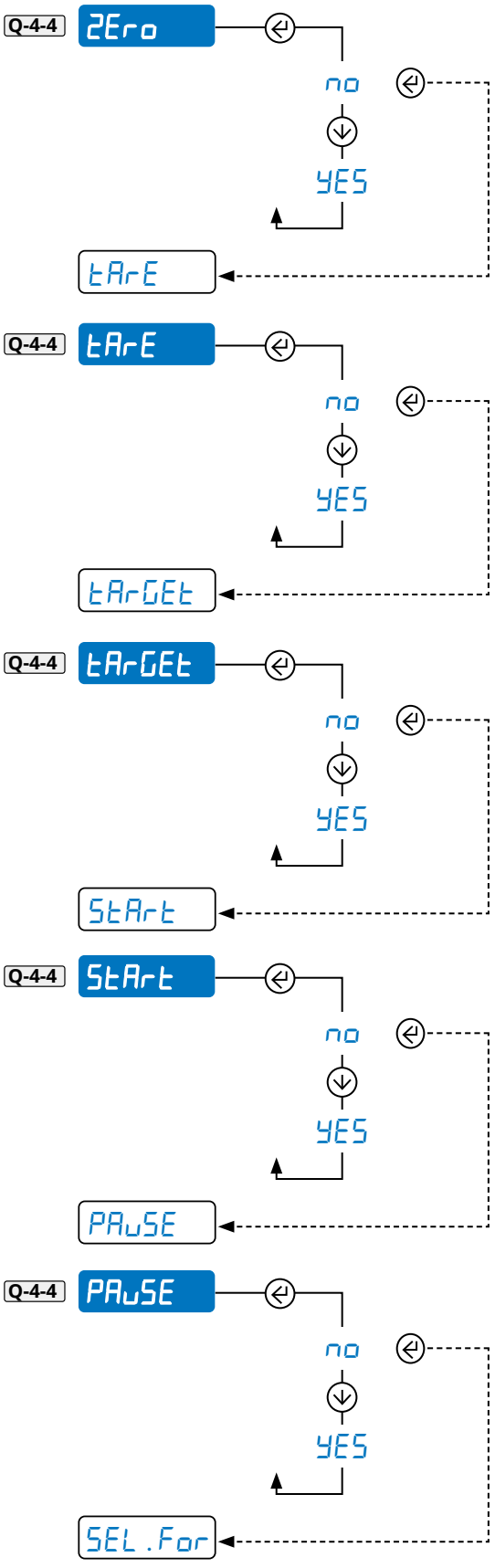
1. PROGRAM FORMULA — *5 Sec.*

How to browse

= ↑
= ↓
= ↵
= C

PROGRAM FORMULA

- A CAL
- B 0.CAL
- C doSAGE
  - 1 doS.PAr
  - 2 doS.tMr
  - 3 inPutS
  - 4 outPut
  - 5 ForMuL
  - 6 An.out
  - 7 F.KEYS
    - 1 2Ero
    - 2 tArA
    - 3 tArGEt
    - 4 StArt
    - 5 PAuSE
    - 6 SEL.For
    - 7 PrG.For
    - 8 nuMbEr
    - 9 CYCLES
- D PrEC 10
- E FiLtEr
- F tArE
- G rESEt
- H diAG
- I Pin.uSE
- J Pin.db



DINI ARGEO Scales - Weighing systems

How to enter Program Dosage Menu

1. PROGRAM FORMULA — *5 Sec.*

How to browse

↑ = ↑ ↓ = ↓ → = ↵ ← = C

PROGRAM FORMULA

- A CAL
- B O.CAL
- C doSAGE
  - 1 doS.PAr
  - 2 doS.tAr
  - 3 inPutS
  - 4 outPut
  - 5 ForMuL
  - 6 An.out
  - 7 F.KEYS
    - 1 2Ero
    - 2 tArA
    - 3 tArGEt
    - 4 StArt
    - 5 PAuSE
    - 6 SEL.For
    - 7 PrG.For
    - 8 nuMbEr
    - 9 CYCLES
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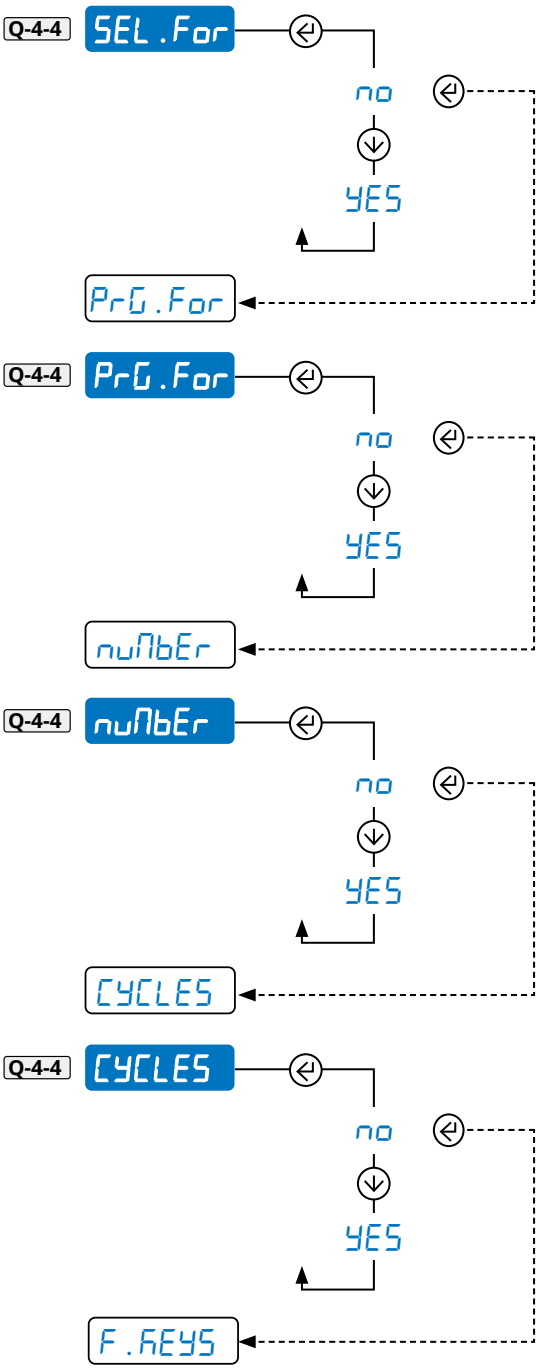
- F tArE
- G rESEt
- H diAG
- I Pin.uSE
- J Pin.db



DINI ARGEO Scales - Weighing systems

How to enter Program Dosage Menu

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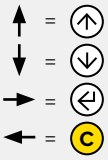
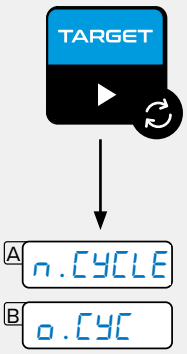
3 Sec.

How to browse





i Note: To access the Dosage Cycles menu, the Cycles function must be enabled in the configuration menu (Menu "CYCLES", parameter "YES", see page 19)

TARGET - Dosage Cycles

Item	Description
n.CYCLE	Set the number of dosage cycles to be executed
o.CYC	Resets/Clears the cycle counter

i Note: Cycles can only be set during weighing status and when a formula is selected (parameter "dtb", see page 15)

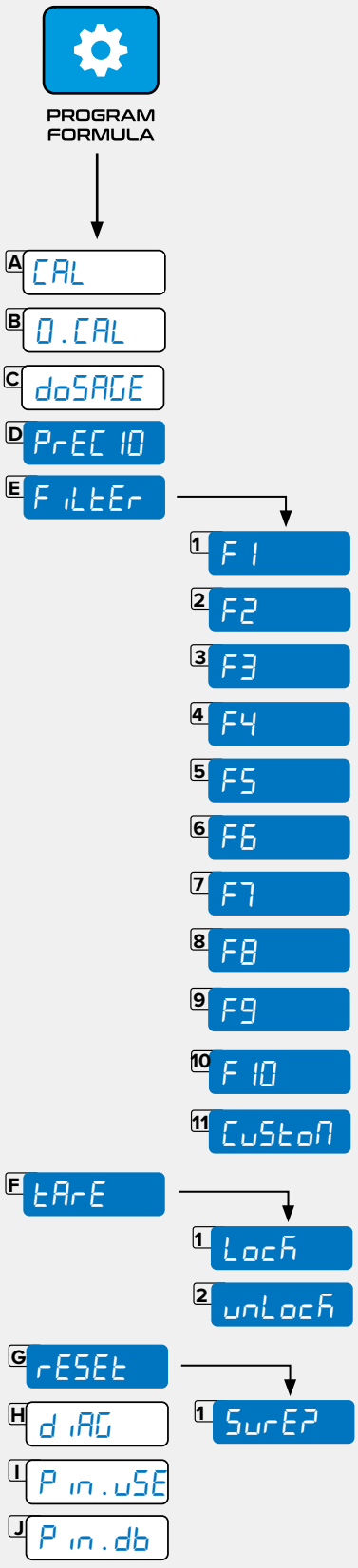
How to enter Program Dosage Menu

1. 5 Sec.

PROGRAM FORMULA

How to browse

= ↑
= ↓
= ↵
= C



PrEC 10 - Decimal weight display

Item	Description
PrEc 10	• YES = Enables weight to display with 1 more decimal • no = Disables weight to display with 1 more decimal

F iLtEr - Weight filters

Item	Description
F 1 - 10	Predefined weight filters
CuStoM	Allows operator to set parameters of the filter

tArE - Tare function

Item	Description
LocK	Tare is kept when scale is unloaded
unLocK	Tare is removed when scale is unloaded

rESEt - Reset function

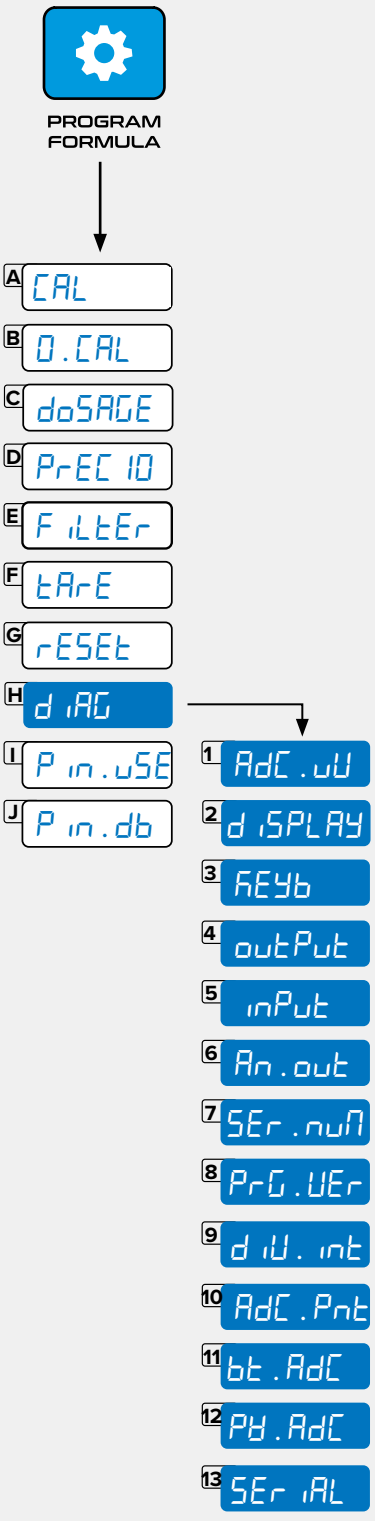
Item	Description
SurE?	• Enter = Resets device • Cancel = Displays prior menu

How to enter Program Dosage Menu

1. PROGRAM FORMULA — *5 Sec.*

How to browse

↑ = ↑ ↓ = ↓ → = ↵ ← = C



diAG - Diag

Item	Description
AdC.uU	Displays microVolts of the load cell signal
diSPLAY	All display objects switched on
KEYb	Selects keyboard type • Normal • Extended
outPut	Selects output by scrolling and placing selection on display (others are in off mode).
inPut	Digital inputs scroll on display • 1 = on • 0 = off
An.out	Tests analog output board function
SEr.num	Serial number scrolls on the display
PrG.UEr	Displays firmware application release date
diU. int	Number of ADC counts per scale division
AdC.Pnt	Displays raw ADC counts value
bt.AdC	Displays battery voltage on connector
PU.AdC	Displays power supply voltage
SEr iAL	Tests serial ports

How to enter Program Dosage Menu

1.  *5 Sec.*

PROGRAM FORMULA

How to browse

↑ = ↑
↓ = ↓
→ = ↵
← = C

PROGRAM FORMULA

A CAL
B 0.CAL
C doSAGE
D PrEC 10
E FiLtEr
F tArE
G rESEt
H diAG
I Pin.uSE
J Pin.db

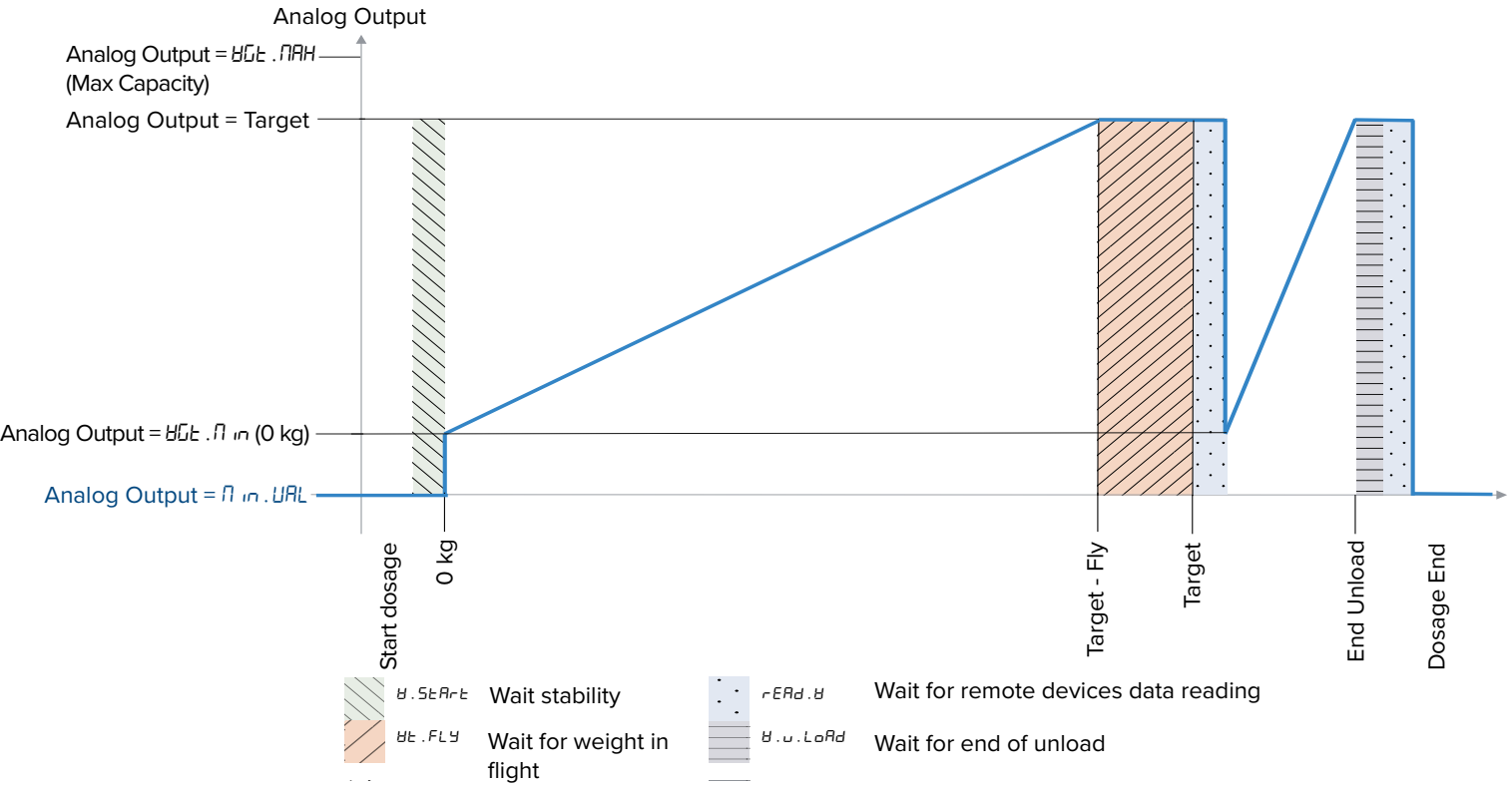
Pin.uSE - Pin usage

Item	Description
Pin.uSE	Sets pin number for access to user menu . YES = Enables pin usage . no = Disables pin usage If yes is selected, asked to insert the pin value (numeric 0-65535)

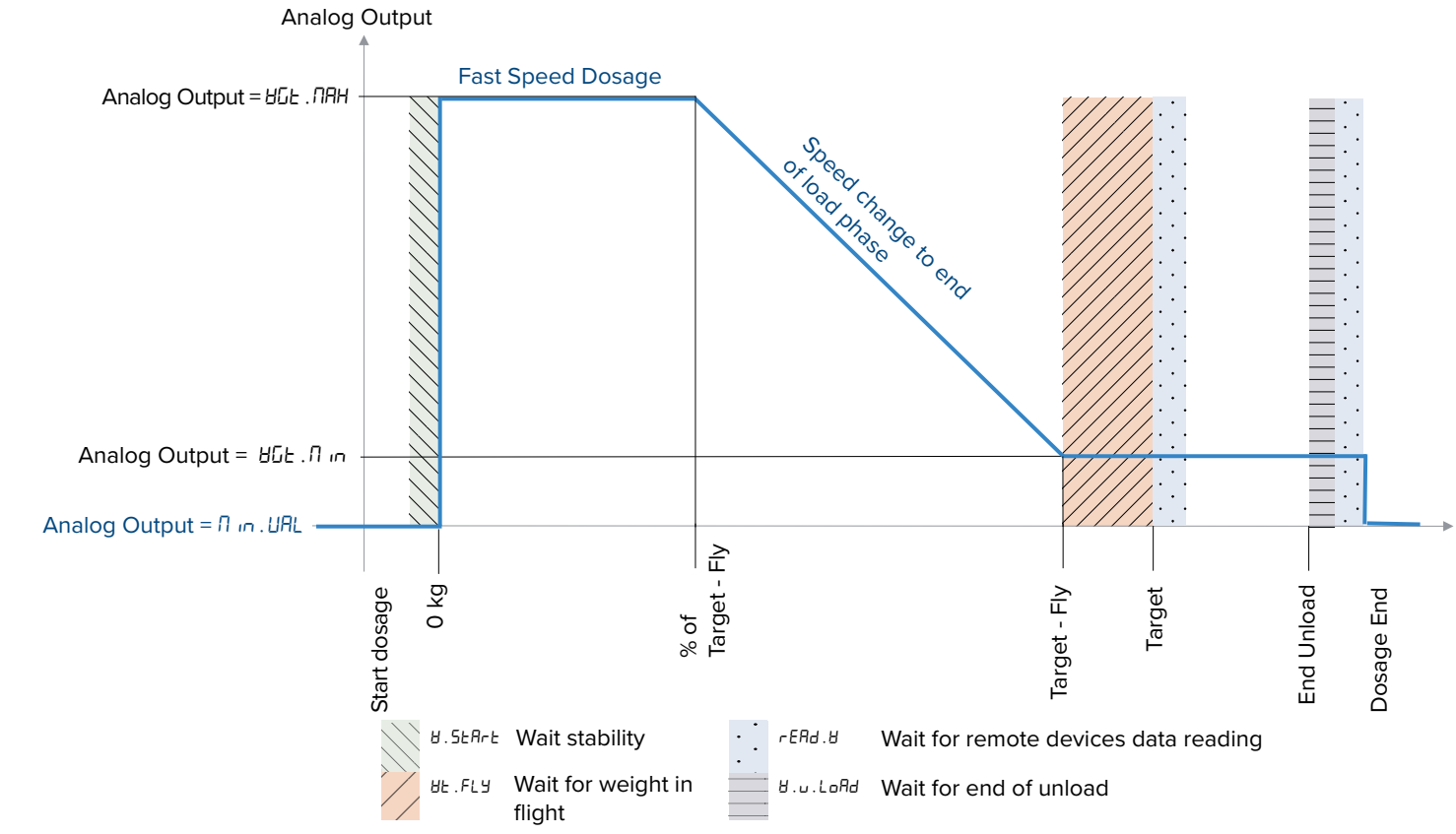
Pin.db - Pin database

Item	Description
Pin.db	Sets pin number for access to database . YES = Enables pin database . no = Disables pin database If yes is selected, asked to insert the pin value (numeric 0-65535)

Aanalog Output - Dosage Value



Aanalog Output - Dosage Speed Mode



How to access Formula Menu:

1. Hold for 2 seconds power on the scale.

2. Press once to access the Formula database.

3. Database displays

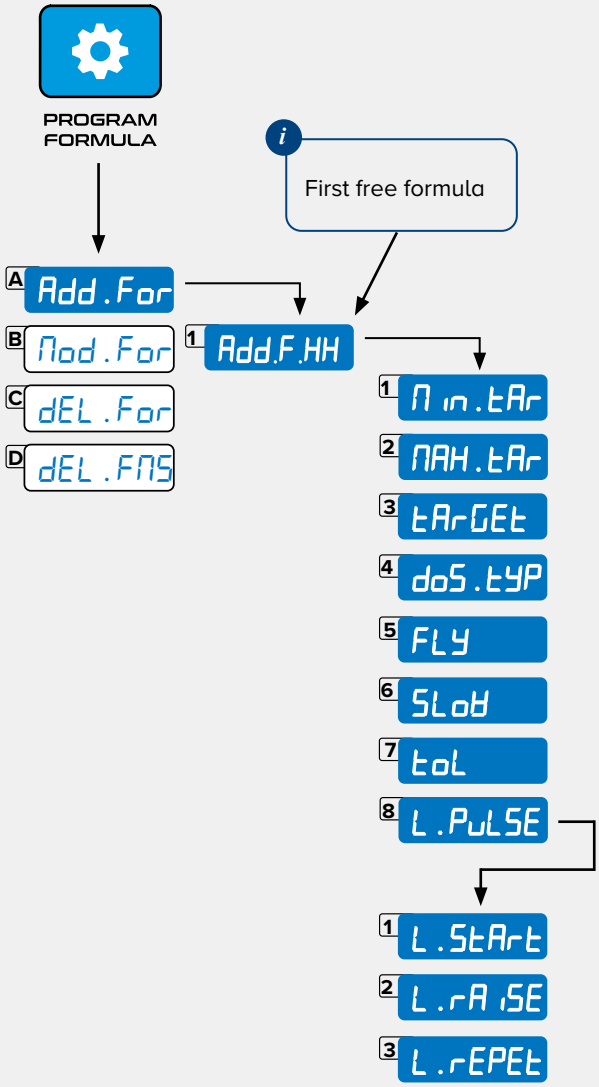
How to enter Program Formula Menu

1. Single press

PROGRAM FORMULA

How to browse

= ↑
= ↓
= ↵
= C



Add.For - Add Formula

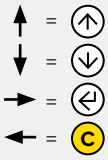
Item	Value	Description
Min.tAr *	xxxxxx kg	Minimum and maximum tare value: If both these values are equal to 0, the 0.toL value will be considered for any formula
MAH.tAr *	xxxxxx kg	
tArGEt	xxxxxx kg	Dosage target
doS.tYP *	Aut.doS / MAn.doS	Aut.doS: automatic dosage MAn.doS: manual dosage
FLY *	xxxxxx kg or xx%	Quantity that falls for gravity after dosage relay stop
SLoW *	xxxxxx kg or xx%	Speed change threshold
toL *	xxxxxx kg or xx%	Tolerance value
L.PuLSE *	xxxx sec	Lance pulse duration: 0 = Lance Off 1 or more seconds = Lance active
L.StArt *	xxxxxx kg	(only if L.Pulse is set up at xxsec) Rise Lance Start threshold
L.rAiSE *	xxxxxx kg	Weight threshold that active the pulse
L.rEPEt *	xxx	Number of rising repeats 0 = number of repeats to reach target
* These parameters can be hidden-disabled from the configuration menu.		

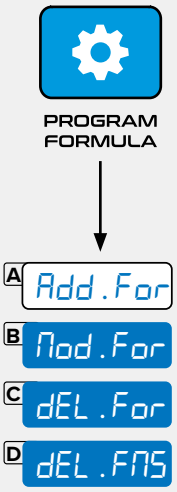
How to enter Program Formula Menu

1.  Single press

PROGRAM FORMULA

How to browse





Mod.For, dEL.For, dEL.FNS - Modify and Delete Formulas

Item	Description
Mod.For	Modify formula
dEL.For	Delete single formula
dEL.FNS	Delete all formulas

How to activate a Dosage

1. Hold for 2 seconds power on the scale.

2. Press to access the Program Formula menu.

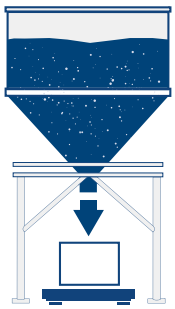
3. Set the target (only if you need to change the preset value)

4. Add a container to the scale.

5. Press start.

6. The scale tares the container and displays zero as the weight.

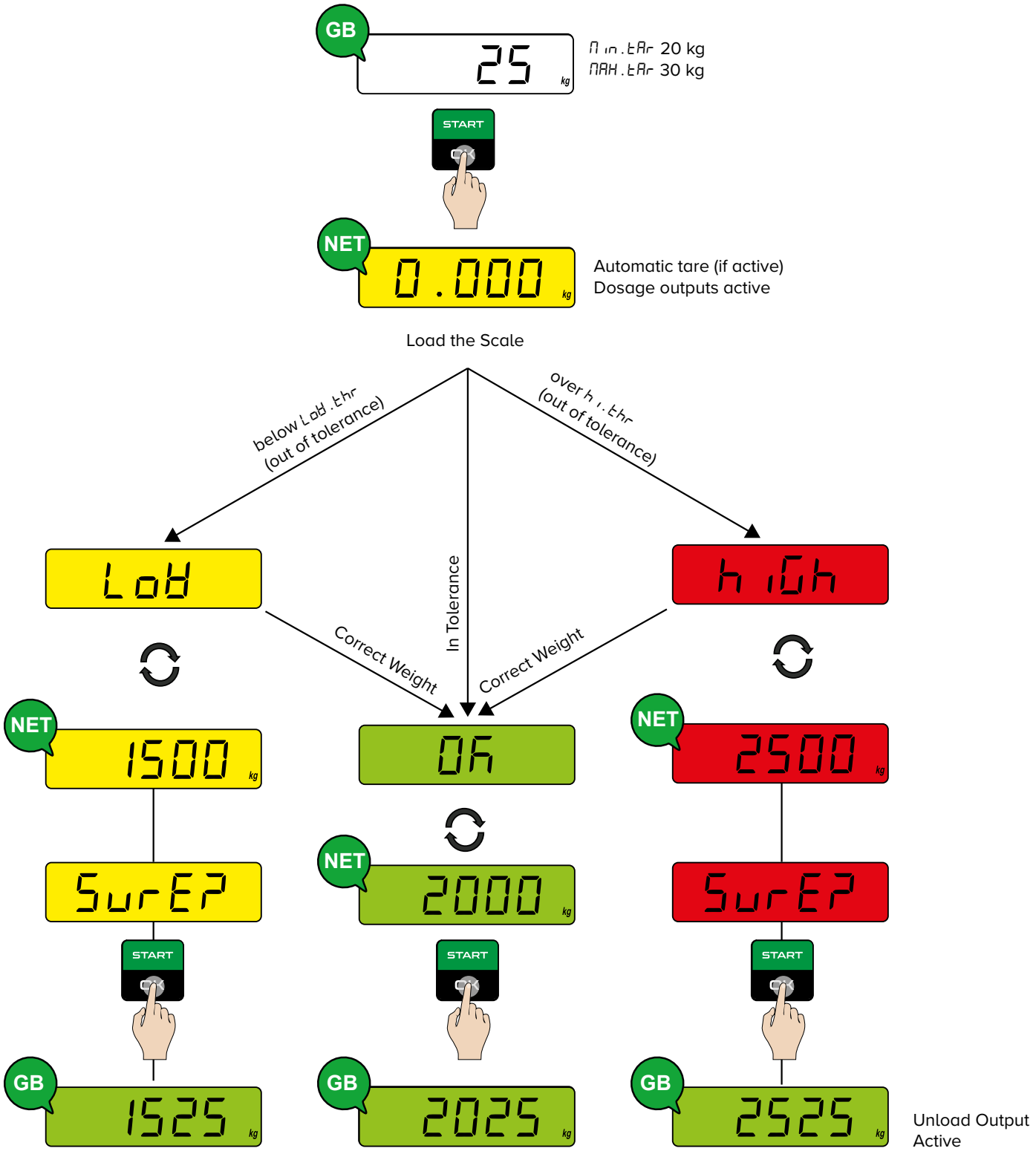
8. Process the material.

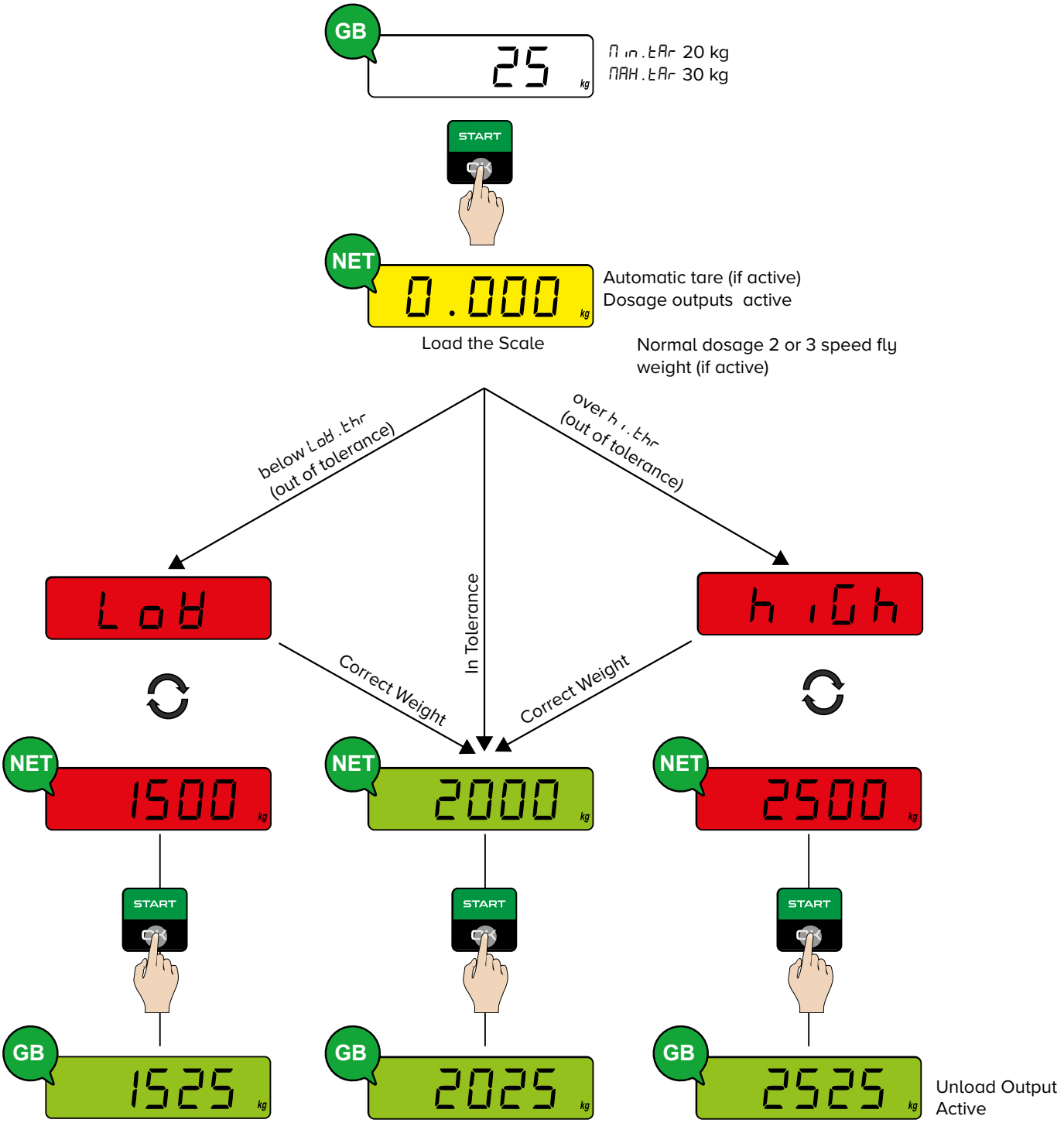


8. Press to pause the dosage.

9. When dosage is paused, press pause button again to reset dosage.

Item	Description
	When a dosage starts, the display turns yellow and O1, O2 and O3 icons appear. These icons indicate that the dosage relays are on (relays 1 , 2 and 3 indicate Fast, Medium and Slow speed management), The display stays yellow until the weight exceeds the TARGET+/-FLY WEIGHT threshold.
	When the dosage completes in tolerance, the display turns and stays green until the end of the unload phase. 04 indicates that relay 4 is on.
	When an error occurs, the display turns red and an error message is shown.


GB
25
kg
Min.tAr 20 kg
MAX.tAr 30 kg
START
NET
0.000
kg
Automatic tare (if active)
Dosage outputs active
Load the Scale
below LoW.thr
(out of tolerance)
In Tolerance
over hi.thr
(out of tolerance)
LoW
hiGh
Correct Weight
Correct Weight
NET
1500
kg
SurEP
START
GB
1525
kg
OK
NET
2000
kg
START
GB
2025
kg
NET
2500
kg
SurEP
START
GB
2525
kg
Unload Output
Active


GB
25 kg
Min.tAr 20 kg
MAX.tAr 30 kg
START
NET
0.000 kg
Automatic tare (if active)
Dosage outputs active
Load the Scale
Normal dosage 2 or 3 speed fly weight (if active)
below LoW.thr (out of tolerance)
over hi.thr (out of tolerance)
LoW
hiGh
In Tolerance
Correct Weight
Correct Weight
NET 1500 kg
NET 2000 kg
NET 2500 kg
START
START
START
GB 1525 kg
GB 2025 kg
GB 2525 kg
Unload Output Active

Operating Messages

Message	Description	Timer
und.tAr	When you press START and TARE weight is lower that threshold setup into formula	2 seconds
oUr.tAr	When you press START and TARE weight is higher that threshold setup into formula	2 seconds
01-dA	During dosage: 01-dA = Automatic dosage - Loading phase 02-dn = Manual dosage - Loading phase 00-uL = Unloading phase	15 seconds
LoW	When loading phase is completed and dosed weight is lower that tolerance. It is displayed alternating to the weight value.	3 seconds
hiGh	When loading phase is completed and dosed weight is higher than tolerance. It is displayed alternating to the weight value.	3 seconds
oK	When loading phase is completed and dosed weight is in tolerance.	3 seconds
no.ForN	No Formula selected	2 seconds

Communication Commands

Serial command which supplies the indicator status and the dosage status

Command **[CC]STATB<CR LF>**

Response [CC]STATXX-BYY<CR LF>

in which XX is a decimal value which supplies the status of the indicator;

YY is a decimal value which supplies the dosage status

Selection formula command

Command **[CC]DSETxx<CR LF>**

in which XX is the selecting formula index

Response [CC]SETOK<CR LF>: accepted command

[CC]ERROR<CR LF>: not present formula or already selected

Dosage start command

Command **[CC]DSTART<CR LF>**

Response [CC]START<CR LF>: accepted command

[CC]ERROR<CR LF>: otherwise

Dosage PAUSE/RESET command

Command **[CC]DSTOP<CR LF>**

Response [CC]PAUSE<CR LF>: dosage pause - if the command is received with the dsoage under way

[CC]RESET<CR LF>: cancelling of dosage under way - if the command has been received during the pause status

[CC]ERROR<CR LF>: if the command has been received out of the dosage status

Set dosage TARGET command

Command **[CC]DTARGVVVVVVV<CR LF>**

in which VVVVVVV is the target value with the decimal point, from 1 to 7 characters (including the point); the non significant zeros can be omitted

Response [CC]OK<CR LF>: accepted command

The response answer does not imply that the command is executed

YY dosage status

Value	Description
00	Out of dosage
01	Waiting to start dosage
02	Starting dosage cycle
04	Waiting for d.StArt time
05	Waiting to start dosage with unstable weight
15	Start of automatic dosage (DA)
18	Waiting to reach slow weight (DA)
19	Waiting to reach flight weight (DA)
20	Waiting for the dt.FLY time (DA)
21	Waiting for stability after the dt.FLY time (DA)
22	Waiting for tolerance control (DA)
23	Acquiring dosed weight (DA)
24	Waiting to start manual dosag (DM)
26	Starting manual dosage (DM)
27	Waiting for validation to end manual dosage (DM)
28	Waiting for validation to end the out-of-tolerance manual dosage (DM)
29	Acquiring the dosed weight (DM)
30	Waiting for the start of the total unloading dosage (UL)
31	Start of the total unloading dosage (UL)
33	Waiting for the end of total unloading dosage (UL)
35	Waiting for stability in total unloading dosage (UL)
40	Waiting for slow weight to be reached (UL)
57	Error-01
58	Error-02
59	Error-03
60	Error-04
61	Error-06
62	Error-07
64	Error-00
66	Return from error status
68	In pause status
69	Changing n.cYcLE while in pause status
70	Waiting for reset confirmation
71	Reset Status
73	Exit from dosage cycle

XX indicator status

Value	Description
00	Normal scale status
01	Normal scale input status
02	Technical setup mode
04	Boot phase
05	RX/TX setup phase
06	Serial port test phase
07	Print testing
08	Updating firmware
09	On standby
10	Automatic zero phase

Programming Errors

MESSAGE	DESCRIPTION	SOLUTION
AL.Err	"Alibi memory" board (optional) not detected.	Check the presence of the board inside the indicator. If present, check it is not damaged and is installed correctly.
Er.I.b.H	"Inputs / outputs" board (optional) not detected.	Check the presence of the board inside the indicator. If missing, deactivate any inputs or outputs (parameter "inPutS" or "outPut", see page 13-14). If present, check it is not damaged and is installed correctly.
Er.r.b.H		
E9.Err	Impossible to perform equalisation.	Check the cells are connected properly. Check the signal of each cell in the diagnostic menu (menu diAG, parameter AdC.uU, see page 14).
PrEC.	Calibration error.	First calibrate the zero point, then proceed with the next points.
Err.Pnt	Calibration error.	Check the connection of the load cell. Check that the cell signal is stable, valid and greater than that of the previously acquired point.
Er 0	Generic error.	
Er 1	The weight on the scale exceeds the maximum weight allowed.	Remove wait until it no longer exceeds maximum allowed weight.
Er 2	A target weight is configured higher than the maximum dosable weight in a single dosage.	Reconfigure target
Er 4	A weight lower than the unloading target is present on the scale.	Increase weight on scale or reconfigure target weight
Er 5	The weight is not stable when the dosage start command is given or in doesn't become stable within the time set (H.StArt parameter, see technical manual).	Verify the scale is in good physical condition, free of binding and is level. Adjust the weight start parameter.
Er 6	The maximum time for the activation of the formula has passed (t.AL.tGt parameter, see technical manual).	If needed, adjust maximum time of formula activation.
Er 7	In a dosage in loading, a TARGET equal to zero was inserted.	Reconfigure target
Er 8	EEPROM not present or not working. (*)	Verify status of EEPROM
Er 9	The parameters save saved in the EEPROM are not present or not corrected. (*)	Verify status of EEPROM
Er 10	The cycle data saved in the EEPROM is not present or not corrected. (*)	Verify status of EEPROM
Er 11	Calibration error.	Increase the calibration weight.

MESSAGE	DESCRIPTION	SOLUTION
Er 12	Calibration error.	Check that the signal coming from the cell increases upon the increasing of the weight loaded on the scale. When acquiring the calibration points, use the increasing calibration weights.
Er 13	Error in the parameters setting.	
Er 14	Communication error with the remote component (watchdog).	
Er 36	During the calibration, internal negative points have been calculated: - the calibration point is less than the zero point - the signal is negative	Recalibrate the scale. Check if wiring is correct.
Er 37	Calibration error.	Repeat the calibration, checking that the capacity and division have been correctly set.
Er 39	Instrument not configured.	Reset the factory configurations (menu AdUAnC, parameter dFLt.t, see technical manual).
Er 85	Instrument configured but not calibrated.	Perform calibration.
C.Er.36	Calibration error.	Check that the signal coming from the load cell is not negative.
Err.Not	Unstable weight.	Check in the menu d iAG, parameter AdC.uU (see page 22) that the signal is stable and try again. If the connection of the cells is with 4 wires, check that the sense jumpers are inserted.
HW Err	Software not compatible with the installed hardware.	Ensure the correct firmware is installed on the indicator.
oUr.MAH	The gross weight on the scale, summed to the formula target, exceeds the maximum weight allowed (MAH.bGt parameter,see technical manual).	Reduce weight on scale, or adjust maximum weight parameter.

(*) One or more of these error messages can be present at the start-up of the instrument. In this case, insert a formula in the new functioning mode to eliminate the error message at the next start-up.

NOTE: one can exit the error status by pressing the START key or restoring the correct dosage conditions.

Notes

Notes

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Stamp of authorised support centre

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