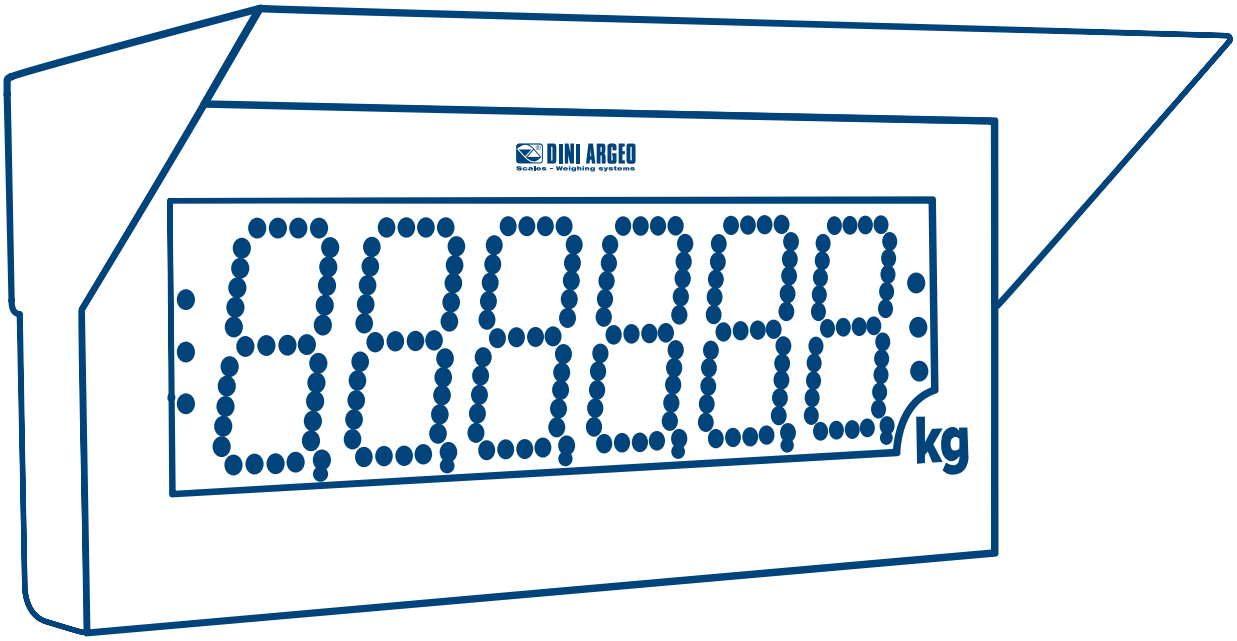
DINI ARGEO
Scales - Weighing systems

Configuration of remote scale protocol with an indicator not from Dini Argeo

USER MANUAL **ENGLISH**



INDEX

Protocol

Introduction	4
Bilanciai Protocol	5
Bilanciai D410 - D800 Protocol	6
Bilanciai D410 Protocol	7
Bilanciai DD700 Protocol	8
Mettler Toledo IND310 - IND560 Protocol	9
Mettler Toledo IND780 Protocol	10
Precia Molen_A indicator Protocol + I400 indicator	11
Precia Molen_A Indicator Protocol + I200 and I300 indicator	12
Precia Molen_ABC Protocol	14
ADN pesage Protocol	15
Arpege MasterK Protocol	16
EXA CYBER Protocol	17
GIROPES Protocol	18
How to repeat the weight with a personalized string	19

Introduction

This guide shows the parameters needed to configure on the DGT100/60R repeter in order to repeat the weight of not Dini Argeo indicators.

Bilanciai Protocol

Bilanciai indicator parameters

Function Mode	=	Cyclic (Continuous Transmission)
String	=	CB
Baud Rate	=	9600
Word lenght	=	8
Parity Type	=	none
Stop Bits	=	1

DGT100R/60R Repeter parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE		17) UNIT (UNIT)	kg	37) W.REPE UNDER LOAD VALUE	0
1) FUNCT	REPE	18) DECIMALS (DECI)	0	38) W.REPE OVER LOAD BITMASK	0
GENERAL FUNCTION		19) STABILITY READINGS (STAB)	10	39) W.REPE OVER LOAD BYTE POSITION	10
2) SCREEN SAVER (SCR.SAV)	0	20) STABILITY INTERVAL (STA.INT)	0	40) W. REPE OVER LOAD VALUE	0
3) AUTO SWITCH OFF (AUTOFF)	0	21) MIN. TRESHOLD	-99999	41) ENABLE ADDRESS (ADD.EN)	NO
MODE MASTER		22) MAX. TRESHOLD	999999	42) COMMUNICATION TIMEOUT (T.OUT)	1.5
4) NUMBER OF SLAVES (NUMSL)	13	23) W.REPE NET WEIGHT BITMASK	0		
5) LISTEN ONLY (LISTEN)	YES	24) W.REPE NET WEIGHT BYTE POSITION	0		
6) PRINT	NO	25) W.REPE NET WEIGHT VALUE	0		
7) PROTOCOL (PROTOC)	EXTEND	26) W.REPE NEGATIVE WEIGHT BITMASK	255		
8) CONNECTED SLAVES (T.KEYB)	KB.DGT	27) W.REPE NEGATIVE WEIGHT BYTE POSITION	1		
9) NUMBER OF DECIMALS (SUM.DEC)	0	28) W.REPE NEGATIVE WEIGHT VALUE	51		
10) UNIT OF MEASURE (SUM.UM)	g	29) W.REPE STABLE WEIGHT BITMASK	0		
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted	30) W.REPE STABLE WEIGHT BYTE POSITION	0		
12) SLAVES SUM CAPACITY (SUM.MAX)	0	31) W.REPE STABLE WEIGHT VALUE	0		
MODE REPEATER		32) W.REPE ZERO WEIGHT BITMASK	0		
13) STRING TERMINATOR (TERM)	13	33) W.REPE ZERO WEIGHT BYTE POSITION	0		
14) WEIGHT START POSITION (WEI.POS)	2	34) W.REPE ZERO WEIGHT VALUE	0		
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	5	35) W.REPE UNDER LOAD BITMASK	0		
16) STRING LENGHT (STRLEN)	7	36) W.REPE UNDER LOAD BYTE POSITION	0		

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Bilanciai.

CONNECTIONS

DGT60		**DB9-M**	**DGT60**		**DB9-M**
RS232			**RS485**		
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Bilanciai D410 - D800 Protocol

Bilanciai D410 - D800 string parameters

Function Mode	=	Cyclic (Continuous Transmission)
String	=	CB
Baud Rate	=	9600
Word lenght	=	8
Parity Type	=	none
Stop Bits	=	1

DGT100R/60R Repeter parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	10
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	NO
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	10
14) WEIGHT START POSITION (WEI.POS)	1
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	9
16) STRING LENGHT (STRLEN)	29
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	49
24) W.REPE NET WEIGHT BYTE POSITION	26
25) W.REPE NET WEIGHT VALUE	49
26) W.REPE NEGATIVE WEIGHT BITMASK	0
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	0
28) W.REPE NEGATIVE WEIGHT VALUE	0
29) W.REPE STABLE WEIGHT BITMASK	2
30) W.REPE STABLE WEIGHT BYTE POSITION	25
31) W.REPE STABLE WEIGHT VALUE	2
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0
37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	4
39) W.REPE OVER LOAD BYTE POSITION	25
40) W. REPE OVER LOAD VALUE	4
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Bilanciai D410 - D800

CONNECTIONS

DGT60 RS232		D410-D800	DGT60 RS485		D410-D800
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Bilanciai D410 Protocol

Bilanciai D410 Protocol

Function Mode	=	Cyclic (Continuous Transmission)
String	=	CB
Baud Rate	=	9600
Word lenght	=	8
Parity Type	=	none
Stop Bits	=	1

DGT100R/60R Parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	10
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	NO
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	10
14) WEIGHT START POSITION (WEI.POS)	1
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	9
16) STRING LENGHT (STRLEN)	29
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	255
24) W.REPE NET WEIGHT BYTE POSITION	0
25) W.REPE NET WEIGHT VALUE	36
26) W.REPE NEGATIVE WEIGHT BITMASK	0
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	0
28) W.REPE NEGATIVE WEIGHT VALUE	0
29) W.REPE STABLE WEIGHT BITMASK	2
30) W.REPE STABLE WEIGHT BYTE POSITION	25
31) W.REPE STABLE WEIGHT VALUE	2
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0
37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	4
39) W.REPE OVER LOAD BYTE POSITION	25
40) W. REPE OVER LOAD VALUE	4
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Bilanciai D410.

CONNECTIONS

DGT60 RS232		D410	DGT60 RS485		D410
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Bilanciai DD700 Protocol

Bilanciai DD700 Protocol

Function Mode	=	Cyclic (Continuous Transmission)
String	=	CB
Baud Rate	=	9600
Word lenght	=	8
Parity Type	=	none
Stop Bits	=	1

DGT100R/60R Parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	10
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	NO
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	10
14) WEIGHT START POSITION (WEI.POS)	1
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	10
16) STRING LENGHT (STRLEN)	0
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	1
24) W.REPE NET WEIGHT BYTE POSITION	26
25) W.REPE NET WEIGHT VALUE	1
26) W.REPE NEGATIVE WEIGHT BITMASK	0
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	1
28) W.REPE NEGATIVE WEIGHT VALUE	51
29) W.REPE STABLE WEIGHT BITMASK	2
30) W.REPE STABLE WEIGHT BYTE POSITION	25
31) W.REPE STABLE WEIGHT VALUE	2
32) W.REPE ZERO WEIGHT BITMASK	9
33) W.REPE ZERO WEIGHT BYTE POSITION	24
34) W.REPE ZERO WEIGHT VALUE	9
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	6
37) W.REPE UNDER LOAD VALUE	1
38) W.REPE OVER LOAD BITMASK	4
39) W.REPE OVER LOAD BYTE POSITION	25
40) W. REPE OVER LOAD VALUE	4
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	2.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Bilanciai DD700.

CONNECTIONS

DGT60		**DD700**	**DGT60**		**DD700**
RS232			**RS485**		
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Mettler Toledo IND310 - IND560 Protocol

Mettler Toledo IND310 - IND560 Parameters

Function Mode	=	Cyclic (Continuous Transmission)
String	=	CB
Baud Rate	=	9600
Word lenght	=	8
Parity Type	=	none
Stop Bits	=	1

DGT100R/60R Parameter

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	0
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	YES
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	13
14) WEIGHT START POSITION (WEI.POS)	3
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	7
16) STRING LENGHT (STRLEN)	16
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	0
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	1
24) W.REPE NET WEIGHT BYTE POSITION	2
25) W.REPE NET WEIGHT VALUE	1
26) W.REPE NEGATIVE WEIGHT BITMASK	2
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	2
28) W.REPE NEGATIVE WEIGHT VALUE	2
29) W.REPE STABLE WEIGHT BITMASK	8
30) W.REPE STABLE WEIGHT BYTE POSITION	2
31) W.REPE STABLE WEIGHT VALUE	0
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	4
36) W.REPE UNDER LOAD BYTE POSITION	2
37) W.REPE UNDER LOAD VALUE	1
38) W.REPE OVER LOAD BITMASK	4
39) W.REPE OVER LOAD BYTE POSITION	2
40) W. REPE OVER LOAD VALUE	4
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Mettler Toledo IND310 / IND560.

CONNECTIONS

DGT60 RS232		MT560	DGT60 RS485		MT560
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Mettler Toledo IND780 Protocol

Mettler Toledo IND780 Parameters

Function Mode	=	Cyclic (Continuous Transmission)
String	=	CB
Baud Rate	=	9600
Word lenght	=	8
Parity Type	=	none
Stop Bits	=	1

DGT100R/60R Parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	0
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	YES
7) PROTOCOL (PROTOC)	EXTEND
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	0
14) WEIGHT START POSITION (WEI.POS)	4
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	6
16) STRING LENGHT (STRLEN)	18
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	0
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	1
24) W.REPE NET WEIGHT BYTE POSITION	2
25) W.REPE NET WEIGHT VALUE	1
26) W.REPE NEGATIVE WEIGHT BITMASK	2
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	2
28) W.REPE NEGATIVE WEIGHT VALUE	2
29) W.REPE STABLE WEIGHT BITMASK	8
30) W.REPE STABLE WEIGHT BYTE POSITION	2
31) W.REPE STABLE WEIGHT VALUE	0
32) W.REPE ZERO WEIGHT BITMASK	64
33) W.REPE ZERO WEIGHT BYTE POSITION	2
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	4
36) W.REPE UNDER LOAD BYTE POSITION	2
37) W.REPE UNDER LOAD VALUE	1
38) W.REPE OVER LOAD BITMASK	4
39) W.REPE OVER LOAD BYTE POSITION	2
40) W. REPE OVER LOAD VALUE	4
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Mettler Toledo IND780.

CONNECTIONS

DGT60 RS232		IND780	DGT60 RS485		IND780
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Precia Molen_A indicator Protocol + I400 indicator

Precia Molen parameters

Function Mode	=	Continuous string
Baud Rate	=	1200
Word Lenght	=	7
Parity	=	e
Fluss control	=	1

String: <01><09>01<02>040600<02>0100003.1kg <02>0200000.0kg <02>0300003.1kg 09<0D><0A>

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL		9) EMULATION CTS CHARACTERS (NCHRS)	100
1) PC PORT	COM2/232	10) EMULATION CTS TIME (ms) (TIME)	300
COM PRN		**COM PC**	
2) PR.MODE	PR-NO	11) PCMODE (MODE REPEATER)	W.REPE
3) BAUD RATE (BAUD.PR)	1200	12) ADDRESS 485 (AD485)	1
4) PARITY TYPE	EVEN	13) BAUD RATE (BAUD)	1200
5) WORD LENGHT	7 BIT	14) PARITY TYPE	EVEN
6) STOP BITS	1 BIT	15) WORD LENGHT	7 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT	16) STOP BITS	1 BIT
8) CTS STATUS (PRN.CTS)	NO CTS		

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE		17) UNIT (UNIT)	kg	37) W.REPE UNDER LOAD VALUE	1
1) FUNCT	REPE	18) DECIMALS (DECI)	0	38) W.REPE OVER LOAD BITMASK	3
GENERAL FUNCTION		19) STABILITY READINGS (STAB)	0	39) W.REPE OVER LOAD BYTE POSITION	9
2) SCREEN SAVER (SCR.SAV)	0	20) STABILITY INTERVAL (STA.INT)	0	40) W. REPE OVER LOAD VALUE	2
3) AUTO SWITCH OFF (AUTOFF)	0	21) MIN. TRESHOLD	-99999	41) ENABLE ADDRESS (ADD.EN)	NO
MODE MASTER		22) MAX. TRESHOLD	999999	42) COMMUNICATION TIMEOUT (T.OUT)	1.5
4) NUMBER OF SLAVES (NUMSL)	10	23) W.REPE NET WEIGHT BITMASK	3		
5) LISTEN ONLY (LISTEN)	NO	24) W.REPE NET WEIGHT BYTE POSITION	10		
6) PRINT	NO	25) W.REPE NET WEIGHT VALUE	2		
7) PROTOCOL (PROTOC)	EXTEND	26) W.REPE NEGATIVE WEIGHT BITMASK	8		
8) CONNECTED SLAVES (T.KEYB)		27) W.REPE NEGATIVE WEIGHT BYTE POSITION	7		
9) NUMBER OF DECIMALS (SUM.DEC)	0	28) W.REPE NEGATIVE WEIGHT VALUE	8		
10) UNIT OF MEASURE (SUM.UM)	g	29) W.REPE STABLE WEIGHT BITMASK	2		
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted	30) W.REPE STABLE WEIGHT BYTE POSITION	8		
12) SLAVES SUM CAPACITY (SUM.MAX)	0	31) W.REPE STABLE WEIGHT VALUE	2		
MODE REPEATER		32) W.REPE ZERO WEIGHT BITMASK	8		
13) STRING TERMINATOR (TERM)	10	33) W.REPE ZERO WEIGHT BYTE POSITION	9		
14) WEIGHT START POSITION (WEI.POS)	40	34) W.REPE ZERO WEIGHT VALUE	8		
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	7	35) W.REPE UNDER LOAD BITMASK	3		
16) STRING LENGHT (STRLEN)	53	36) W.REPE UNDER LOAD BYTE POSITION	9		

Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Precia Molen.

CONNECTIONS

DGT60 RS232		**Precia Molen**	**DGT60 RS485**		**Precia Molen**
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

Precia Molen_A Indicator Protocol + I200 and I300 indicator

Precia Molen parameters

Function Mode	=	Continuous string
Baud Rate	=	1200
Word Lenght	=	7
Parity	=	e
Fluss control	=	1

Protocol Blocks:
4: Status
1: Gross Weight
2: Tare Weight
3: Net Weight
5: Capacity
99: Alibi DSD value

String: <01><02>040202<02>01040500.kg <02>02013500.kg <02>03027000.kg <02>0500<02>990000031<0D><0A>

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL

1) PC PORT	COM2/232

COM PRN

2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	1200
4) PARITY TYPE	EVEN
5) WORD LENGHT	7 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS

9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300

COM PC

11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	1200
14) PARITY TYPE	EVEN
15) WORD LENGHT	7 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	10
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	YES
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DFKR
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	10
14) WEIGHT START POSITION (WEI.POS)	37
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	7
16) STRING LENGHT (STRLEN)	63

17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	3
24) W.REPE NET WEIGHT BYTE POSITION	7
25) W.REPE NET WEIGHT VALUE	2
26) W.REPE NEGATIVE WEIGHT BITMASK	8
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	4
28) W.REPE NEGATIVE WEIGHT VALUE	8
29) W.REPE STABLE WEIGHT BITMASK	2
30) W.REPE STABLE WEIGHT BYTE POSITION	5
31) W.REPE STABLE WEIGHT VALUE	2
32) W.REPE ZERO WEIGHT BITMASK	8
33) W.REPE ZERO WEIGHT BYTE POSITION	6
34) W.REPE ZERO WEIGHT VALUE	8
35) W.REPE UNDER LOAD BITMASK	3
36) W.REPE UNDER LOAD BYTE POSITION	6

37) W.REPE UNDER LOAD VALUE	1
38) W.REPE OVER LOAD BITMASK	3
39) W.REPE OVER LOAD BYTE POSITION	6
40) W. REPE OVER LOAD VALUE	2
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Precia Molen.

CONNECTIONS

DGT60 RS232		**Precia Molen**
RX	→	TX
TX	→	RX
GND	→	GND

DGT60 RS485		**Precia Molen**
A+	→	A+
B-	→	B-

Precia Molen_ABC Protocol

Precia Molen parameters

Funtion Mode	=	Continuous string
Baud Rate	=	9600
Word Lenght	=	7
Parity	=	e
Fluss control	=	1

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters »:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	EVEN
5) WORD LENGHT	7 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	EVEN
15) WORD LENGHT	7 BIT
16) STOP BITS	1 BIT

FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	10
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	YES
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DFKR
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	10
14) WEIGHT START POSITION (WEI.POS)	37
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	7
16) STRING LENGHT (STRLEN)	55
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	1
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	255
24) W.REPE NET WEIGHT BYTE POSITION	7
25) W.REPE NET WEIGHT VALUE	50
26) W.REPE NEGATIVE WEIGHT BITMASK	255
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	4
28) W.REPE NEGATIVE WEIGHT VALUE	60
29) W.REPE STABLE WEIGHT BITMASK	0
30) W.REPE STABLE WEIGHT BYTE POSITION	5
31) W.REPE STABLE WEIGHT VALUE	2
32) W.REPE ZERO WEIGHT BITMASK	255
33) W.REPE ZERO WEIGHT BYTE POSITION	6
34) W.REPE ZERO WEIGHT VALUE	56
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0
37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	0
39) W.REPE OVER LOAD BYTE POSITION	0
40) W. REPE OVER LOAD VALUE	0
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Precia Molen.

CONNECTIONS

DGT60		**Precia Molen**	**DGT60**		**Precia Molen**
RS232			**RS485**		
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

ADN pesage Protocol

ADN pesage Parameters

Baud Rate	=	9600
Word Lenght	=	8
Parity	=	none
Stop Bit	=	1

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters »:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	EVEN
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	13
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	NO
7) PROTOCOL (PROTOC)	EXTEND
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	13
14) WEIGHT START POSITION (WEI.POS)	0
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	6
16) STRING LENGHT (STRLEN)	6
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	10
20) STABILITY INTERVAL (STA.INT)	6
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	0
24) W.REPE NET WEIGHT BYTE POSITION	0
25) W.REPE NET WEIGHT VALUE	0
26) W.REPE NEGATIVE WEIGHT BITMASK	0
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	0
28) W.REPE NEGATIVE WEIGHT VALUE	0
29) W.REPE STABLE WEIGHT BITMASK	0
30) W.REPE STABLE WEIGHT BYTE POSITION	0
31) W.REPE STABLE WEIGHT VALUE	0
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0
37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	0
39) W.REPE OVER LOAD BYTE POSITION	0
40) W. REPE OVER LOAD VALUE	0
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator ADN.

CONNECTIONS

DGT60 RS232		ADN
RX	→	TX
TX	→	RX
GND	→	GND

DGT60 RS485		ADN
A+	→	A+
B-	→	B-

Arpege MasterK Protocol

Arpege Masterk Protocol

Function Mode	=	Continuous string
Baud	=	1200
n.	=	8
Parity	=	n
Fluss control	=	1

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters »:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	EVEN
5) WORD LENGHT	7 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	1200
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	0
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	NO
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	22
14) WEIGHT START POSITION (WEI.POS)	1
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	6
16) STRING LENGHT (STRLEN)	9
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	0
24) W.REPE NET WEIGHT BYTE POSITION	0
25) W.REPE NET WEIGHT VALUE	0
26) W.REPE NEGATIVE WEIGHT BITMASK	45
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	8
28) W.REPE NEGATIVE WEIGHT VALUE	45
29) W.REPE STABLE WEIGHT BITMASK	0
30) W.REPE STABLE WEIGHT BYTE POSITION	0
31) W.REPE STABLE WEIGHT VALUE	0
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0
37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	0
39) W.REPE OVER LOAD BYTE POSITION	0
40) W. REPE OVER LOAD VALUE	0
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator Arpege MasterK ,if the weight have a decimal, modify the parameter WEI.LEN=7, STR.LEN=11.

CONNECTIONS

DGT60 RS232		ARPEGE MASTERK	DGT60 RS485		ARPEGE MASTERK
RX	→	TX	A+	→	A+
TX	→	RX	B-	→	B-
GND	→	GND			

EXA CYBER Protocol

EXA CYBER Parameters

Function Mode	=	Continuous string
Frequence	=	2
Ripetitore	=	ON Ur
Baud Rate	=	9600
Word lenght	=	8
Parity	=	none
Stop Bit	=	1

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters »:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL

1) PC PORT	COM2/232

COM PRN

2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS

9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300

COM PC

11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE

1) FUNCT	REPE

GENERAL FUNCTION

2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0

MODE MASTER

4) NUMBER OF SLAVES (NUMSL)	13
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	YES
7) PROTOCOL (PROTOC)	EXTEND
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0

MODE REPEATER

13) STRING TERMINATOR (TERM)	13
14) WEIGHT START POSITION (WEI.POS)	4
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	6
16) STRING LENGHT (STRLEN)	16

17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	33
24) W.REPE NET WEIGHT BYTE POSITION	2
25) W.REPE NET WEIGHT VALUE	33
26) W.REPE NEGATIVE WEIGHT BITMASK	34
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	2
28) W.REPE NEGATIVE WEIGHT VALUE	34
29) W.REPE STABLE WEIGHT BITMASK	0
30) W.REPE STABLE WEIGHT BYTE POSITION	0
31) W.REPE STABLE WEIGHT VALUE	0
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0

37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	0
39) W.REPE OVER LOAD BYTE POSITION	0
40) W. REPE OVER LOAD VALUE	0
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator EXA CYBER.

CONNECTIONS

DGT60 RS232		EXA CYBER
RX	→	TX
TX	→	RX
GND	→	GND

DGT60 RS485		EXA CYBER
A+	→	A+
B-	→	B-

GIROPES Protocol

GIROPES Parameters

Baud Rate = 9600
Word lenght = 8
Parity Type = none
Stop Bits = 1

DGT100R/60R parameters

« PC SEL » and « COM PC » parameters »:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

PC SEL	
1) PC PORT	COM2/232
COM PRN	
2) PR.MODE	PR-NO
3) BAUD RATE (BAUD.PR)	9600
4) PARITY TYPE	NONE
5) WORD LENGHT	8 BIT
6) STOP BITS	1 BIT
7) PRINTER POWER SUPPLY (PWR.PRN)	PWR.EXT
8) CTS STATUS (PRN.CTS)	NO CTS
9) EMULATION CTS CHARACTERS (NCHRS)	100
10) EMULATION CTS TIME (ms) (TIME)	300
COM PC	
11) PCMODE (MODE REPEATER)	W.REPE
12) ADDRESS 485 (AD485)	1
13) BAUD RATE (BAUD)	9600
14) PARITY TYPE	NONE
15) WORD LENGHT	8 BIT
16) STOP BITS	1 BIT

« FUNCTIONING MODE » and « MODE REPEATER » parameters:

F.MODE | GENERAL SETUP | SERIAL | PRINTER CONFIGURATION | OUTPUTS/INPUTS | SETPOINTS | ANALOG OUTPUT | Notes

FUNCTIONING MODE	
1) FUNCT	REPE
GENERAL FUNCTION	
2) SCREEN SAVER (SCR.SAV)	0
3) AUTO SWITCH OFF (AUTOFF)	0
MODE MASTER	
4) NUMBER OF SLAVES (NUMSL)	10
5) LISTEN ONLY (LISTEN)	NO
6) PRINT	NO
7) PROTOCOL (PROTOC)	NORMAL
8) CONNECTED SLAVES (T.KEYB)	KB.DGT
9) NUMBER OF DECIMALS (SUM.DEC)	0
10) UNIT OF MEASURE (SUM.UM)	g
11) SLAVES SUM DIVISION (SUM.DIV)	Not setted
12) SLAVES SUM CAPACITY (SUM.MAX)	0
MODE REPEATER	
13) STRING TERMINATOR (TERM)	13
14) WEIGHT START POSITION (WEI.POS)	1
15) WEIGHT LENGHT IN THE STRING (WEI.LEN)	06
16) STRING LENGHT (STRLEN)	21
17) UNIT (UNIT)	kg
18) DECIMALS (DECI)	0
19) STABILITY READINGS (STAB)	0
20) STABILITY INTERVAL (STA.INT)	0
21) MIN. TRESHOLD	-99999
22) MAX. TRESHOLD	999999
23) W.REPE NET WEIGHT BITMASK	255
24) W.REPE NET WEIGHT BYTE POSITION	18
25) W.REPE NET WEIGHT VALUE	52
26) W.REPE NEGATIVE WEIGHT BITMASK	255
27) W.REPE NEGATIVE WEIGHT BYTE POSITION	19
28) W.REPE NEGATIVE WEIGHT VALUE	62
29) W.REPE STABLE WEIGHT BITMASK	255
30) W.REPE STABLE WEIGHT BYTE POSITION	17
31) W.REPE STABLE WEIGHT VALUE	056
32) W.REPE ZERO WEIGHT BITMASK	0
33) W.REPE ZERO WEIGHT BYTE POSITION	0
34) W.REPE ZERO WEIGHT VALUE	0
35) W.REPE UNDER LOAD BITMASK	0
36) W.REPE UNDER LOAD BYTE POSITION	0
37) W.REPE UNDER LOAD VALUE	0
38) W.REPE OVER LOAD BITMASK	4
39) W.REPE OVER LOAD BYTE POSITION	25
40) W. REPE OVER LOAD VALUE	4
41) ENABLE ADDRESS (ADD.EN)	NO
42) COMMUNICATION TIMEOUT (T.OUT)	1.5

i Configure the parameters: UNIT, DECI, MIN.T and MAX.T like that on the indicator GIROPES.

CONNECTIONS

DGT60 RS232		GIROPES
RX	→	TX
TX	→	RX
GND	→	GND

DGT60 RS485		GIROPES
A+	→	A+
B-	→	B-

How to repeat the weight with a personalized string

If the indicator does not appear in the configuration list described in this manual, the module where you can define parameters to be configured on the DGT100R repeater is shown below.

Example	R	E	X	T	CR	1	,	S	T	,						6	.	0	0	0	,	P	T		
				0	.	0	0	0	,										0	,	k	g	CR	LF	
Where	<CR> = ASCII 013 <LF> = ASCII 010																								

In the tabel here is possible to see a string separated char by char:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
R	E	X	T	CR	1	,	S	T	,						6	.	0	0	0	,	P	T						0	.	0	0	0	,										0	,	k	g	CR	LF
										W	W	W	W	W	W	W	W	W	W		M	M	T	T	T	T	T	T	T	T	T	T																E

Gross Weight

W	W	W	W	W	W	W	W	W	W

Type of tare

M	M

Tare Weight

T	T	T	T	T	T	T	T	T	T

Terminator (Is raccomend to define the terminator as unuque. Must be the last character of the string)

E

Parameter Table:

Parametr	LCD Text	Data
tErM	REMOTE SCALE TERMINATOR	10
WE1.PoS	REMOTE SCALE WEIGHT POSITION	10
WE1.LEn	WEIGHT STRING LENGHT	10
tAr.PoS	TARE POSITION	23
tAr.LEn	REMOTE SCALE STRING LENGHT	10
tAr.tYP	REMOTE SCALE TARE TYPE	21
Str.LEn	REMOTE SCALE COMPLESSIVE STRING LENGHT	48

The lenght of the string is 49 (from 0 to 48) but the StrLEn is only 48 because the terminator don't count in the total lenght.

PERSONALIZED STRING CONFIGURATION

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

Parametr	LCD Text	Data
tErM	REMOTE SCALE TERMINATOR	
WE1.PoS	REMOTE SCALE WEIGHT POSITION	
WE1.LEn	WEIGHT STRING LENGHT	
tAr.PoS	TARE POSITION	
tAr.LEn	REMOTE SCALE STRING LENGHT	
tAr.tYP	REMOTE SCALE TARE TYPE	
StrLEn	REMOTE SCALE COMPLESSIVE STRING LENGHT	

DINI ARGEO
Scales - Weighing systems

Authorised service centre stamp

HEAD OFFICE
Via Della Fisica, 20
41042 Spezzano di Fiorano, Modena - Italy
Tel. +39.0536 843418 - Fax +390536 843521

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano, Modena - Italy
Tel. +39.0536 921784 - Fax +390536 926654

www.diniargeo.com

The information in this document is approximate and can be subject to variations without prior notice by Dini Argeo, with respect of the norms in force. The official technical data is available in the updated version on the www.diniargeo.com website or by contacting the Dini Argeo Customer Service.

USER_MAN_ENG_ADV_CONF_REPE
Rev. 16.01.2022