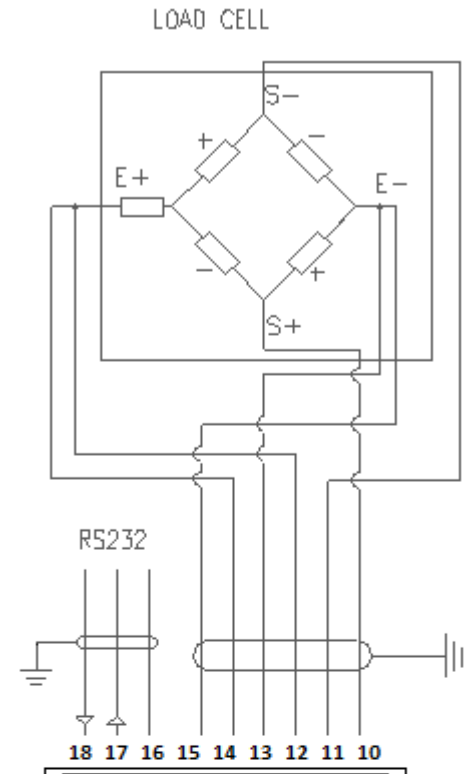
CONNECTION SCHEMES



MEANING OF DGT1 TERMINAL BOARDS AND MOTHER BOARD JUMPERS

- **VE 12 / 24 Vdc POWER SUPPLY**

1. +24Vdc +12 / 24 Vdc
2. GND 0 Vdc (GND)

- **CELL LOAD RECEPTORS**

CELL:
10. *SIG+* SIGNAL +
11. *SIG-* SIGNAL -
12. *SEN+* SENSE +
13. *SEN-* SENSE -
14. *EXC+* EXCITATION +
15. *EXC-* EXCITATION -

If one wants to use 4 wires in the CELL 1 terminal board (without using the SENSE signal), **one should short-circuiting** - SEN with -EXC and +SEN with +EXC.

- **ANALOGUE OUTPUT** (DGT1AN version)

On current: ***On voltage:***
5. *I+* + 20 mA **7. *V+*** + 10 V
6. *I-* 0 mA (GND) **8. *V-*** 0 V (GND)

Note: the maximum resistance applicable on the output current is 350 Ω and the minimum resistance applicable on the output voltage is 10 kΩ.

- **INPUTS AND OUTPUTS** (DGT1IO version)

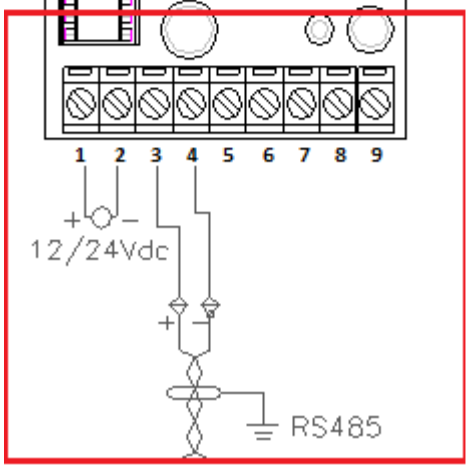
Inputs: ***Outputs:***
5. input 1 **7.** output 1
6. input 2 **8.** output 2
2. inputs common **9.** outputs common

- **RS 485 SERIAL PORT**

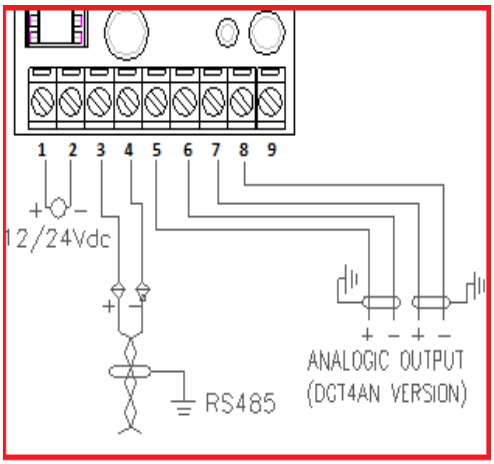
3. A(+) 485 + Line
4. B(-) 485 - Line

- **RS 232 SERIAL PORT**

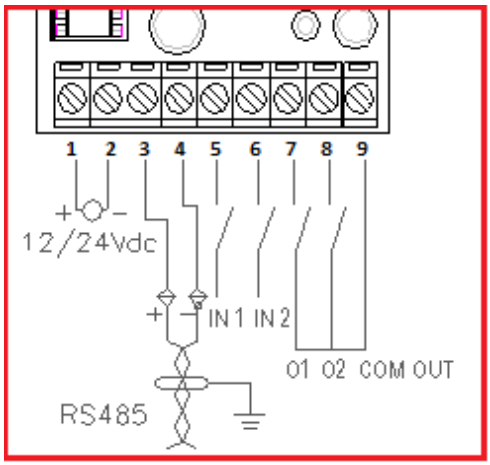
18. *TX* Transmission
17. *RX* Riception
16. *GND* GND



DGT1 MOTHERBOARD



DGT1AN MOTHERBOARD



DGT1IO MOTHERBOARD

SIMPLIFIED SETUP MENU

To enter it, turn on the instrument and, while the firmware version is displayed , press the MODE key for an instant.

KEY	FUNCTION
ZERO ⬇	- In NUMERIC INPUT: decreases the digit to be modified. - In SETUP: scroll down the functions.
TARE ⬆	- In NUMERIC INPUT: increases the digit to be modified. - In SETUP: scroll up the functions.
MODE ➡	- In NUMERIC INPUT: selects the digit to be modified, from left to right.
PRINT ↵	- In NUMERIC INPUT: confirms the entry made. - In SETUP: allows to enter a step or to confirm a parameter inside a step.
C ON/Stb	- ON / STANDBY of the instrument. - In NUMERIC INPUT: quickly clears the present value. - In SETUP: allows to exit a step without confirming the modification

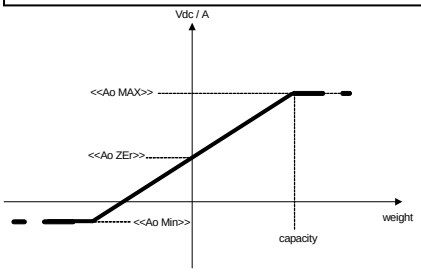
"DGT1": MULTIFUNCTION, DIGITAL WEIGHT TRANSMITTER / INDICATOR

DGT01_14.06_EN

MODE ➡

- 1 diV.dEC — Select the scale's decimals and the minimum division by using ▼▲
- 2 CEL.CAP — Set the total capacity of the loadcells by using ▼▲►
- 3 CEL.SEn — Set the mV/V sensivity of the loadcell by using ▼▲►
- 4 dEAd.Ld — Set the weight value present on the loadcell by using ▼▲►
- 5 rAnGE — Set the scale capacity by using ▼▲►
- 6 Zero — Quick calibration of Zero
- 7 WEiGht — Set and acquire the weight's value used for the calibration using ▼▲►
- 8 AdC.MVV — Checking of the load cell signal in millivolts
- 9 An.out
  - ModE — Set the analogue output on NET or GROSS weight
  - Ao Min — Set the minimum value of the analogue output
  - Ao ZEr — Set the analogue output value when the scale shows zero weight
  - Ao MAX — Set the maximum value of the analogue output
- 10 inPutS
  - inP. 01 — Set the key to be emulated by the input
  - inP. 02
- 11 outPut
  - out. 01
    - FunC
      - 0 nonE — Disabled
      - 1 GroS — Set point on the gross weight
      - 2 nEt — Set point on the net weight
      - 3 PCS — Set point on the pieces
      - 4 Gro.0 — Gross weight at zero
      - 5 nEt.0 — Net weight at zero
      - 6 Moti — Active on instability
      - 23 k.Pr — Active when PRINT key pressed
      - 25.k.Mod — Active when MODE key pressed
      - 26 k.C — Active when C key pressed
      - 27.k.ZEr — Active when ZERO key pressed
      - 28.k.tAr — Active when TARE key pressed
      - 29 Err — ERROR INDICATION
    - no/nC — Set the output normal state
    - onStAt — Set the output switching condition
    - rL.iSt — Enable or disable the hysteresis
    - EnAb.tM — Enable the time for disable the output
    - dELAy — Enable the time for enable the output
  - out. 02
- 12 CLoCK

ANALOG OUTPUT'S GRAPHIC



SETPOINT VALUE PROGRAMMING

In weighing mode, by pressing the **PRINT** key at length one directly enters the SETPOINT VALUE PROGRAMMING. Here it is possible to set setpoint value.

"DEMO MODE" CALIBRATION	THEORETICAL CALIBRATION PROCEDURE	CALIBRATION PROCEDURE WITH WEIGHT
The instrument has a default calibration. This calibration has the follows features: - capacity: 10.000kg; - loadcell sensitivity: 2.000mV/V; - division: 1.	With the steps 1,2,3,4, of the Simplified Setup Menu is possible to make a theoretical calibration.	With the steps 1,5,6,7, of the Simplified Setup Menu is possible to make a standard calibration with a sample weight.
	Now press C key. The display will show **SAVE?** so press PRINT key to exit and save the changes or press C key for exit without save.	

Note:

All function modes and the complete setup environment are described in the user and the technical DGT manuals, available from your dealer.