

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:

5. **I+** + 20 mA
6. **I-** 0 mA (GND)

On voltage:

7. **V+** + 10 V
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 k Ω .

• INPUTS AND OUTPUTS (DGT1IO version)

Inputs:

5. input 1
6. input 2
2. inputs common

Outputs:

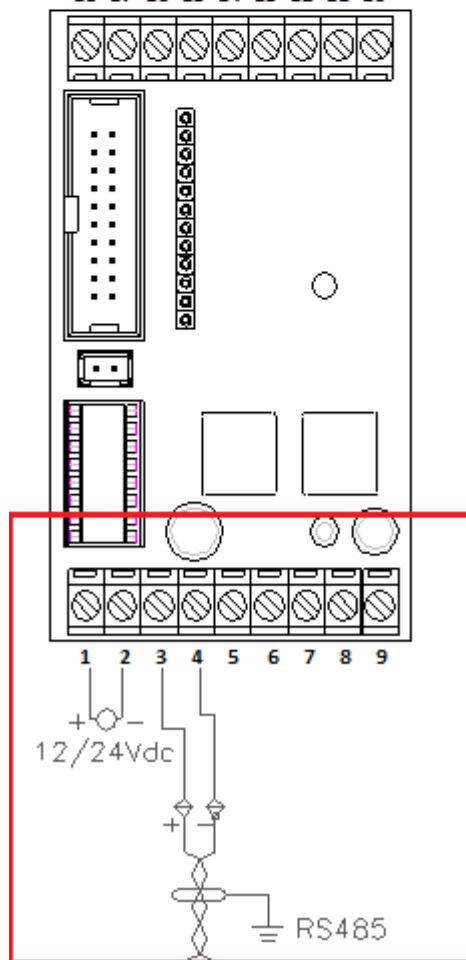
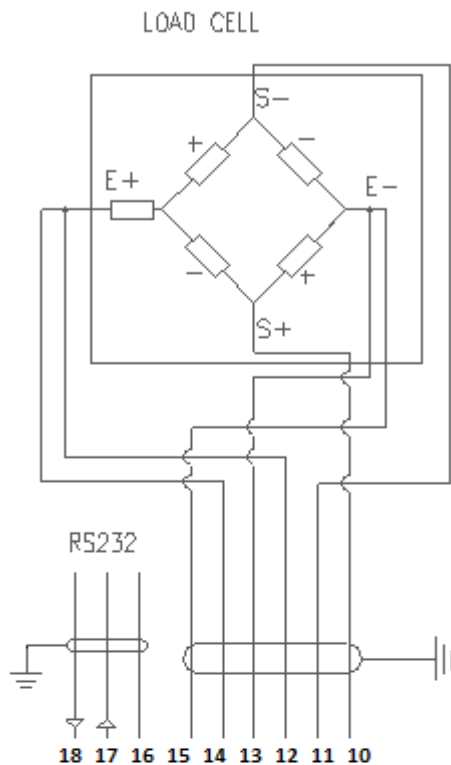
7. output 1
8. output 2
9. outputs common

• RS 485 SERIAL PORT

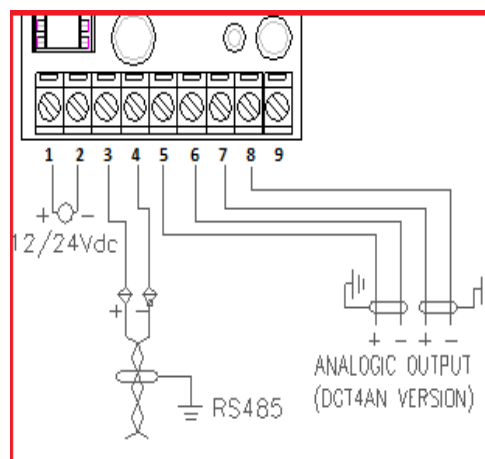
3. **A(+)** 485 + Line
4. **B(-)** 485 - Line

• RS 232 SERIAL PORT

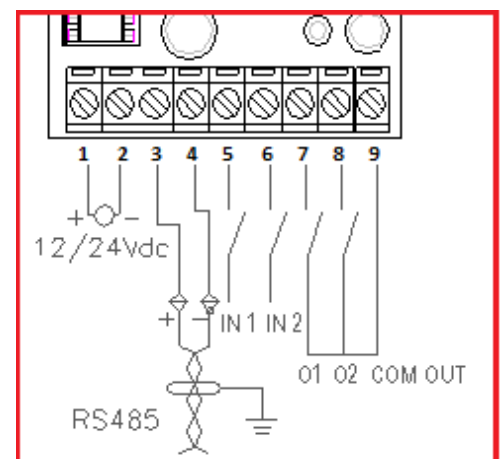
18. **TX** Transmission
17. **RX** Reception
16. **GND** GND



DGT1 MOTHERBOARD



DGT1AN MOTHERBOARD



DGT1IO MOTHERBOARD

SIMPLIFIED SETUP MENU

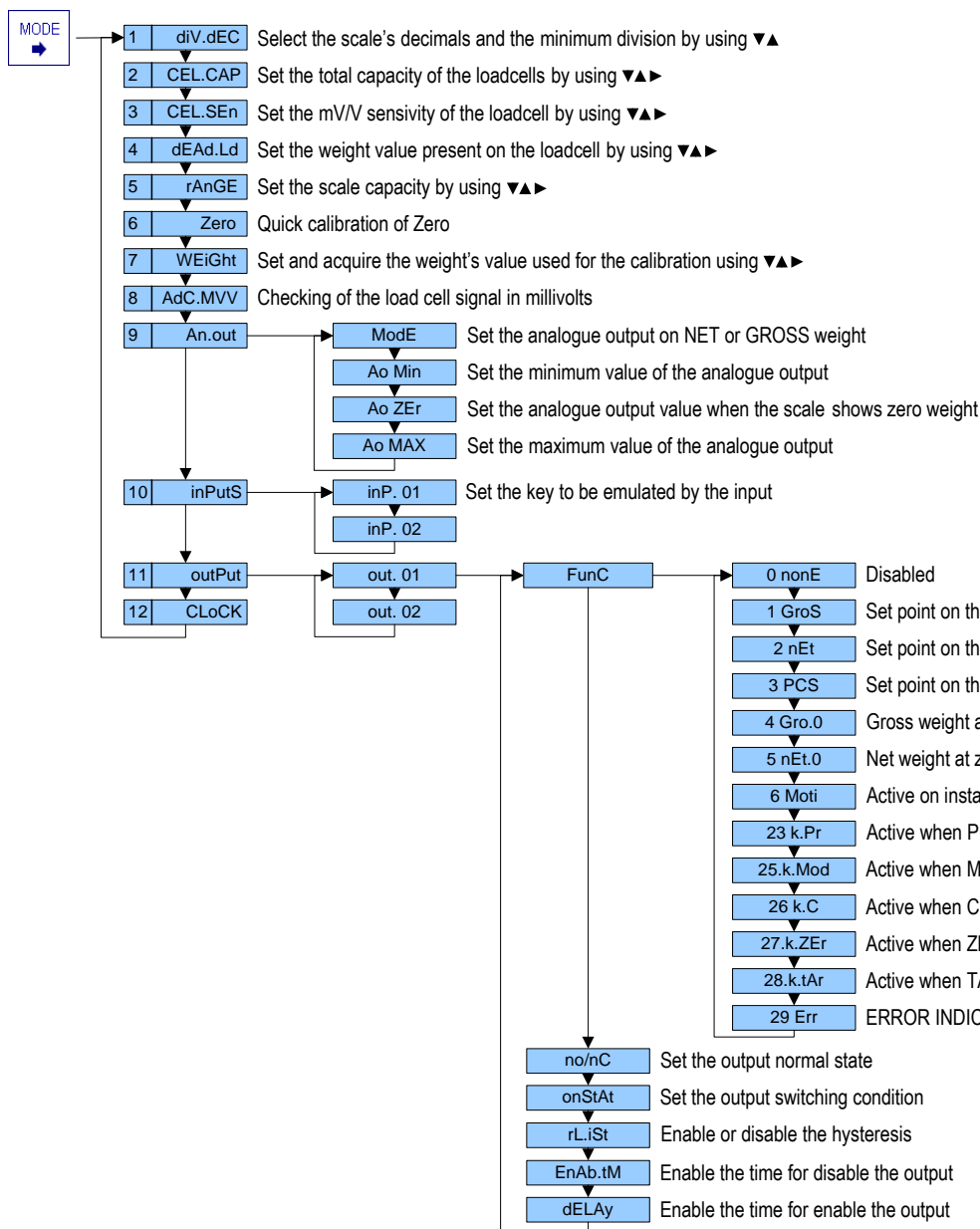
To enter it, turn on the instrument and, while the firmware version is displayed, press the MODE key for an instant.

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

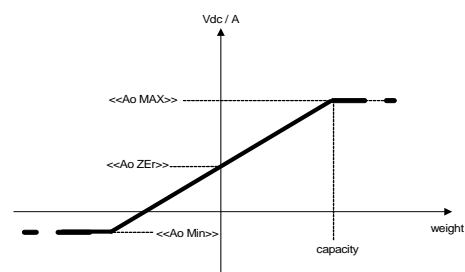
"DGT1": MULTIFUNCTION, DIGITAL WEIGHT TRANSMITTER / INDICATOR



DGT01_13.02_EN



ANALOG OUTPUT'S GRAPHIC



| "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. | |