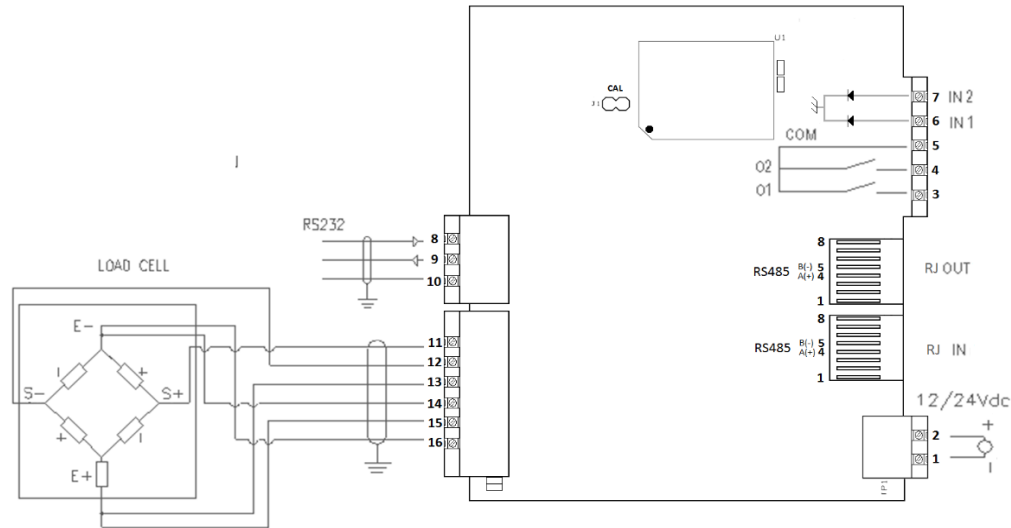


CONNECTION SCHEMES

DGT1S



• VE 12 / 24 Vdc POWER SUPPLY

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

• LOAD CELL RECEPTORS

CELL:

- 11. SIG+ SIGNAL +
- 12. SIG- SIGNAL -
- 13. SEN+ SENSE +
- 14. SEN- SENSE -
- 15. EXC+ EXCITATION +
- 16. EXC- EXCITATION -

• INPUTS AND OUTPUTS

Optoisolated Inputs positive logic (12÷24Vdc, 5 ÷ 20mA max):

- 6. IN1 input 1
- 7. IN2 input 2

Inputs common is normally connected to Ground.

• SERIAL PORT

RS 485

RJ-IN 485 Line
RJ-OUT 485 Line
Pin 4 = A(+) , Pin5 = B(-)

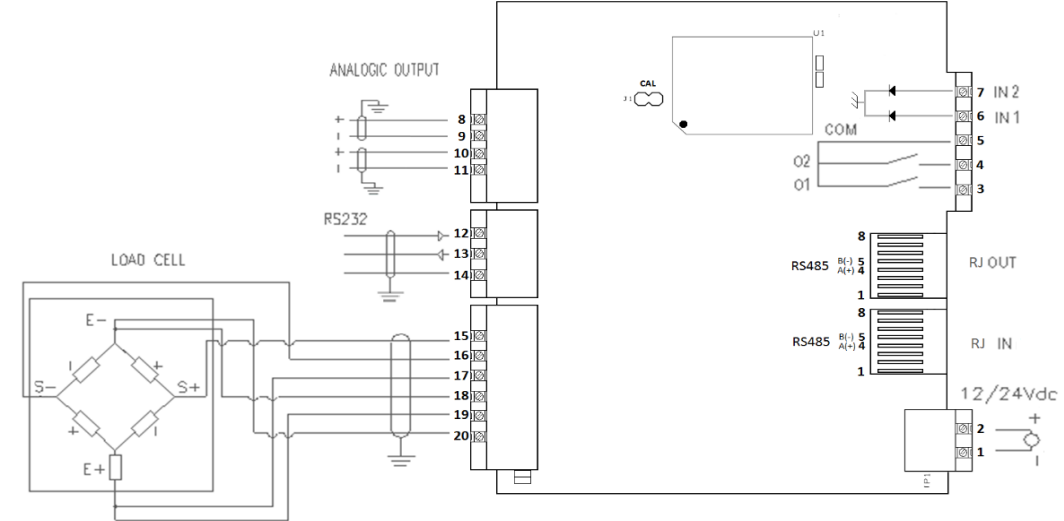
Outputs (48Vac or 60Vdc, 150mA max):

- 3. OUT1 output 1
- 4. OUT2 output 2
- 5. COMOUT outputs common

RS 232

8. TX Transmission
9. RX Reception
10. GND GND

DGT1SAN



• VE 12 / 24 Vdc POWER SUPPLY

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

• LOAD CELL RECEPTORS

CELL:

- 15. SIG+ SIGNAL +
- 16. SIG- SIGNAL -
- 17. SEN+ SENSE +
- 18. SEN- SENSE -
- 19. EXC+ EXCITATION +
- 20. EXC- EXCITATION -

• ANALOGUE OUTPUT

On current:

- 10. I+ + 20 mA
- 11. I- 0 mA (GND)

On voltage:

- 8. V+ + 10 V
- 9. 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

Optoisolated Inputs positive logic (12÷24Vdc, 5 ÷ 20mA max):

- 6. IN1 input 1
- 7. IN2 input 2

Inputs common is normally connected to Ground.

• SERIAL PORT

RS 485

RJ-IN 485 Line
RJ-OUT 485 Line
Pin 4 = A(+) , Pin5 = B(-)

Outputs (48Vac or 60Vdc, 150mA max):

- 3. OUT1 output 1
- 4. OUT2 output 2
- 5. COMOUT outputs common

RS 232

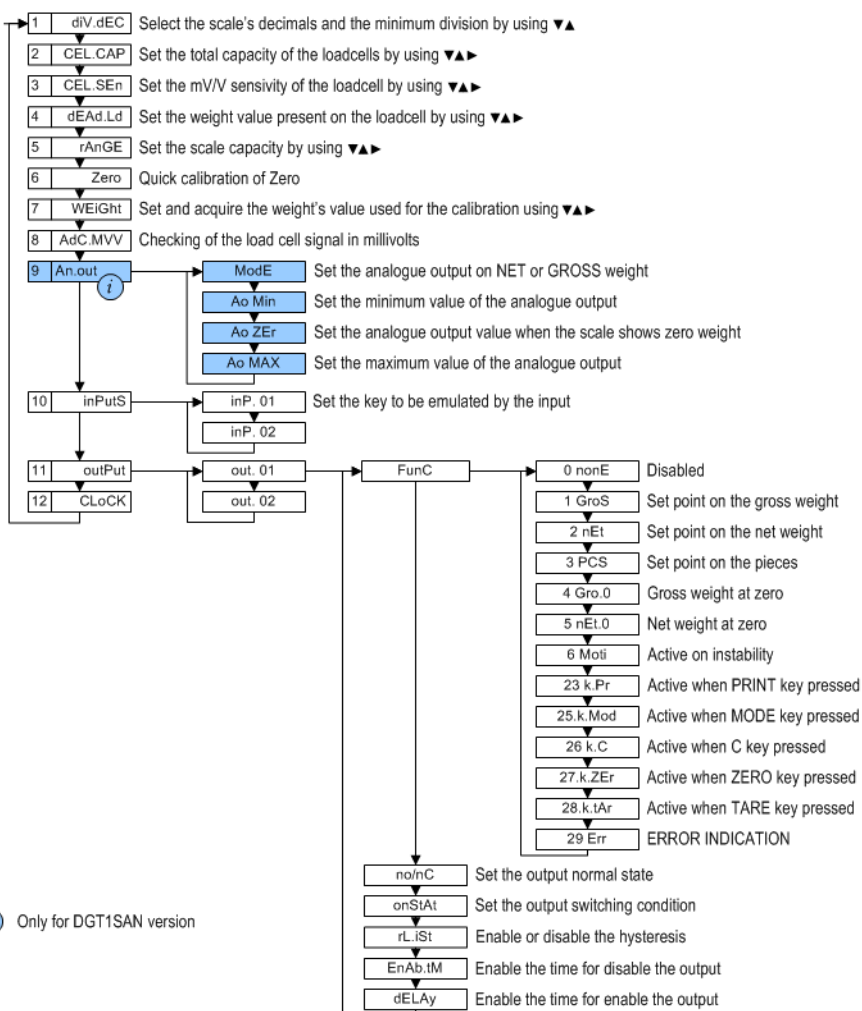
12. TX Transmission
13. RX Reception
14. GND GND

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

MODE
→

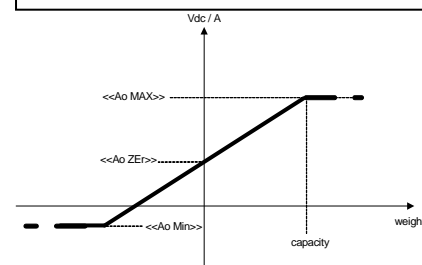


"DGT1S/DGT1SAN": MULTIFUNCTION, DIGITAL WEIGHT TRANSMITTER / INDICATOR



DGT1S_14.12_EN

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.