

## Weight Indicator

### FEATURES

- High performance and long-term reliability
- Assembly “snap-on” DIN rail (certified to EN50022 standards)
- Able to interface with intrinsically safe barriers for use in hazardous areas

### OPTIONS

- Ethernet version available
- RS485 full duplex output available
- PROFINET version available

### APPLICATIONS

- Various industrial systems

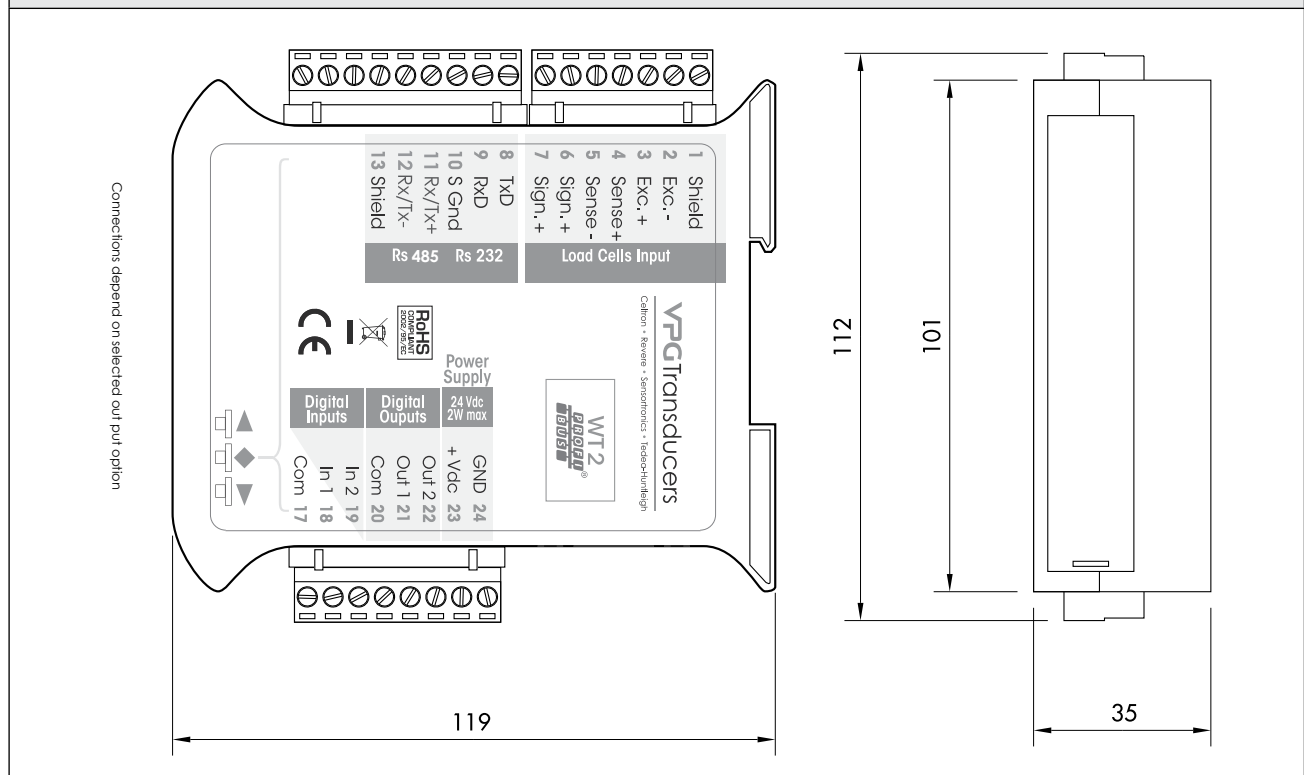
### DESCRIPTION

The WT2 is a modified version of the WT1 with improved interfacing abilities. It uses the same 24-bit D/A converter and, when connected to a system of 1–4 load cells, the WT2 converts output signals in the same manner as the WT1. The WT2's strength is in its connectivity. It uses PROFIBUS as its default protocol, which is faster than

the MODBUS protocol and able to control more complex systems. The WT2 also features an optional Ethernet connection, which comes with a 128-byte in/out buffer for high-speed PC connections. The Ethernet cable can be augmented with the PROFINET protocol, which enables full integration into systems with that protocol.

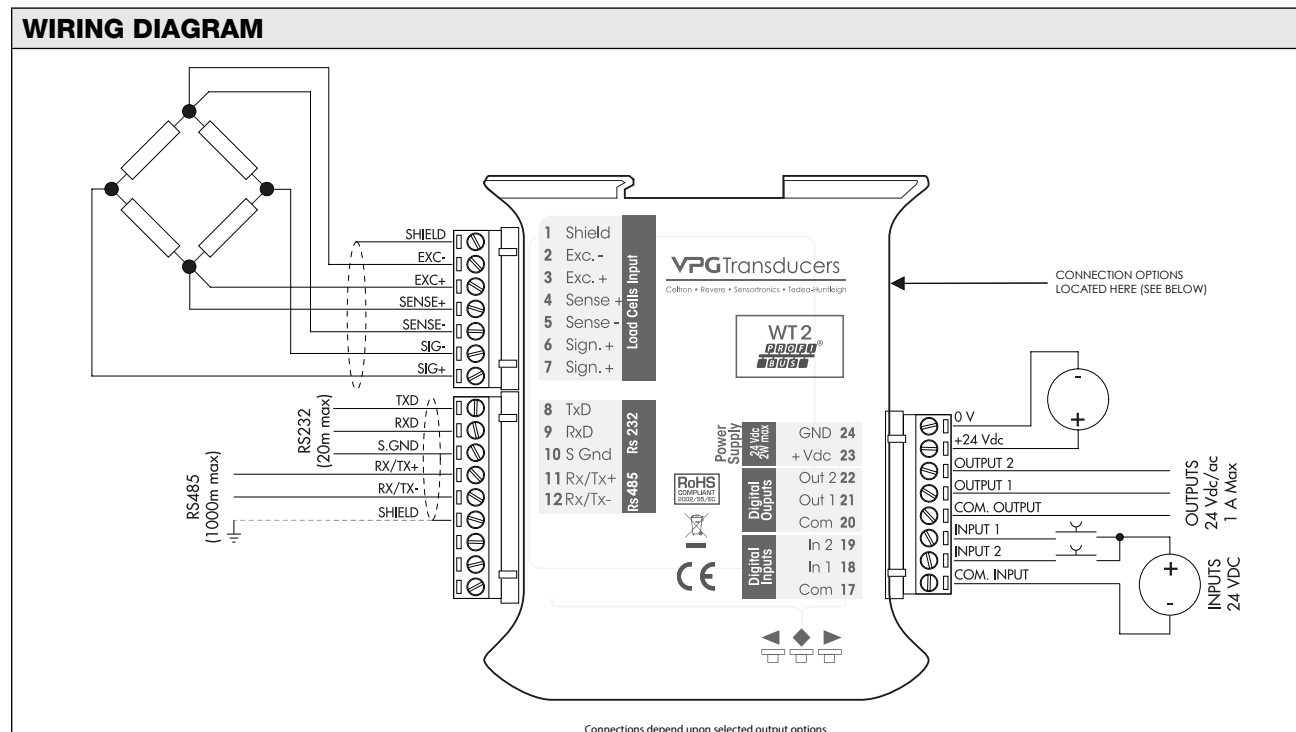


### OUTLINE DIMENSIONS

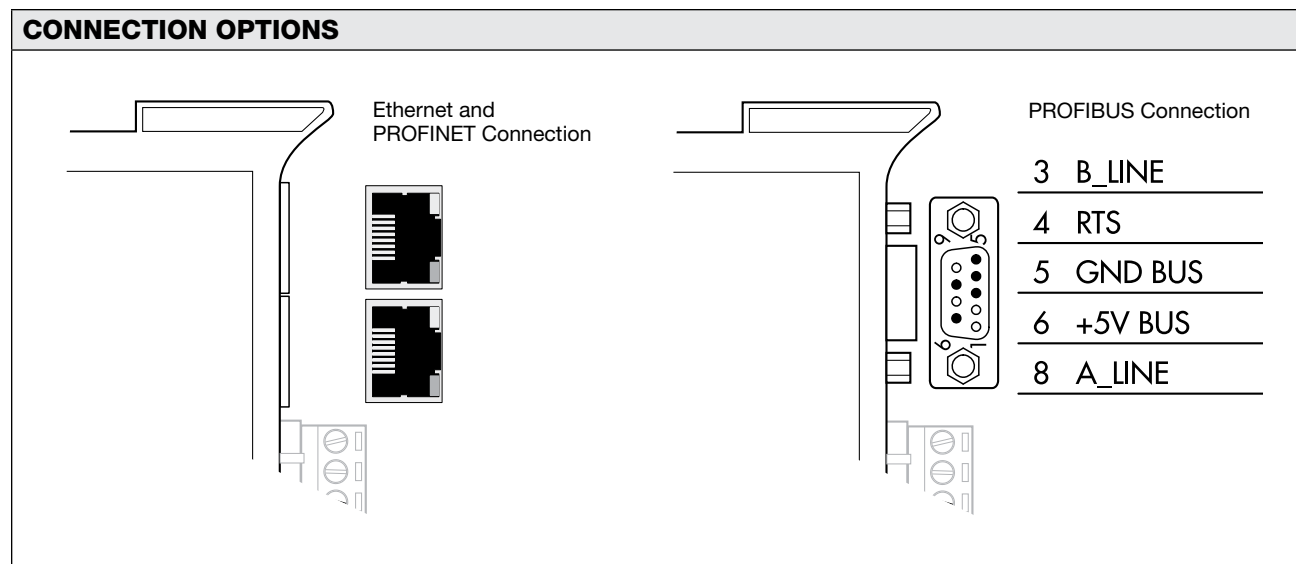


## Weight Indicator

## WIRING DIAGRAM



## CONNECTION OPTIONS



## Weight Indicator

**SPECIFICATIONS****PERFORMANCE****Power Output**

4 V

**Measuring Range**

-4 to +4 mV/V

**Input Sensitivity**

0.02 V/division

**Linearity**

&lt;0.01% of full scale

**Gain Drift**

&lt;0.001% full scale °C

**D/A Convertor**

24 bit

**Internal Resolution**

16,000,000 counts

**Visible Resolution**

60,000 counts (visible on net weight)

**Divisions Value (Adjustable)**

0.001 to 50

**Filter (Adjustable)**

0.2 to 25 Hz

**ENVIRONMENTAL****Operating Temperature**

-10 to +50 °C

**Storage Temperature**

-20 to +60 °C

**DISPLAY AND KEYBOARD****Display**

5 digit, 7 segment, LED

**Digit Height**

7 mm

**Keyboard**

3 key mechanical keyboard

**ELECTRICAL****Voltage**

24±10% VDC

**Wattage**

2 W

**SERIAL COMMUNICATION****Serial Output #1**

RS232C half duplex with ASCII protocol,

**Baud Rate**

2400 to 115200 (adjustable)

**Serial Output #2 (optional)**

PROFIBUS DP-V1

**Baud Rate**

9.6 K/sec to 12 Mbit/sec

**Serial Output #3 (optional)**

PROFINET

**Baud Rate**

According to PROFINET standards

**Serial Output #4 (optional)**

Ethernet

**Buffer Dimensions**

128 bytes in, 128 bytes out

**ENCLOSURES****Dimensions**

119 x 112 x 23 mm, L x H x D

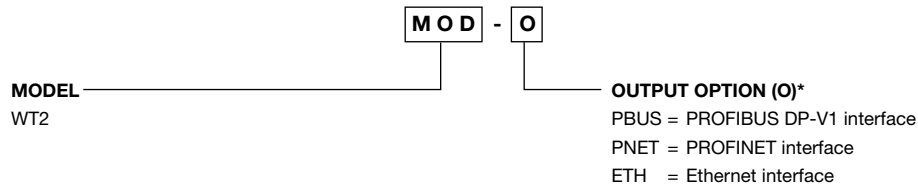
**Mounting**

DIN rail

**Electrical Connections**5.08 mm terminal screw pass,  
D-Sub 9 poles female connector (Profibus version),  
RJ45 connector (Ethernet and Profinet connections)**APPROVALS****EN**EN61000-6-2, EN61000-6-3 for EMC;  
EN61010-1 for electrical security

Ordering information is on next page.

## Weight Indicator

**ORDERING INFORMATION FOR WT2****Example Completed Part Numbers:**

WT2-ETH is the part number for a WT2 with an Ethernet interface.

**\*This is mandatory: customers must select an output option.**

All specifications subject to change without notice. For inquiries within Italy please contact the VPG Transducers Marketing Department directly using the email address [vpgt.marketing@vpgsensors.com](mailto:vpgt.marketing@vpgsensors.com).

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