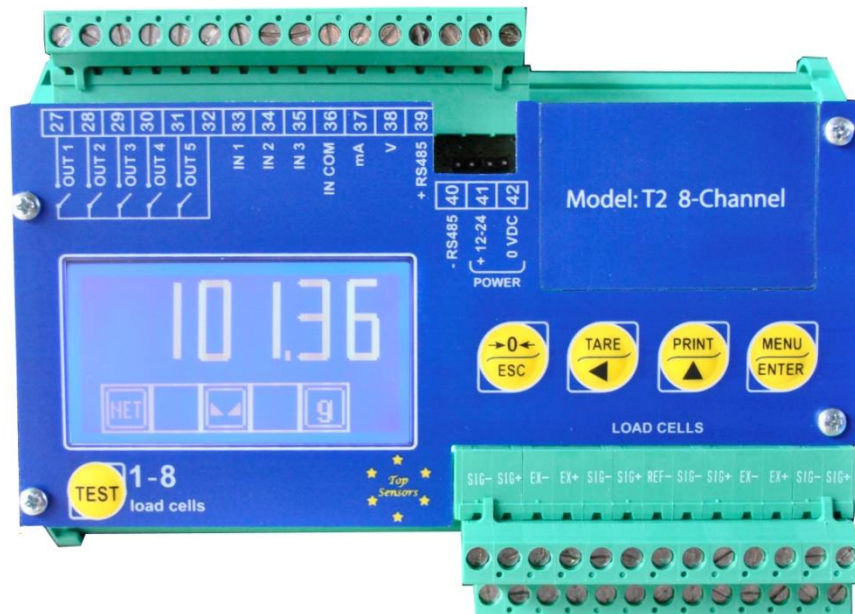


# Type T2 weight transmitter 8-Channel



## Short description



- Weight transmitter and indicator for Omega/Din rail mounting
- 8 independent reading channels for load cells
- Suitable for back panel or junction box
- Backlit graphic LCD display, transmissive STN, white on blue
- Five key keyboard
- TEST key for direct access to the diagnostic functions
- On board terminals for 1 to 8, 6 wire load cells, in parallel

## Available models

Model	Full article description	Part number
T2	Top-Sensors T2 weight transmitter 8-channel	8003002

## Detailed specifications T2 weight transmitter 8-channel

- 0.2  $\mu\text{V}/\text{VSI}$ , 10.000 divisions range.
- 0.01 $\mu\text{V}/\text{VSI}$ , 1.000.000 divisions range (for internal use).
- Opto-isolated 16-bit analog output (4-20mA (max 300 ohm), 0-20mA, 0-10V, +/-10V, 0-5V, +/-5V (minimum 10 Kohm)).
- Serial port RS485 for connection to PC/PLC, remote display and printer by ASCII or Modbus RTU.
- Optional protocols: Profibus DP, Profinet IO and more.
- 5 Relay logic outputs.
- 3 opto-isolated Logic inputs.
- Digital equalization

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

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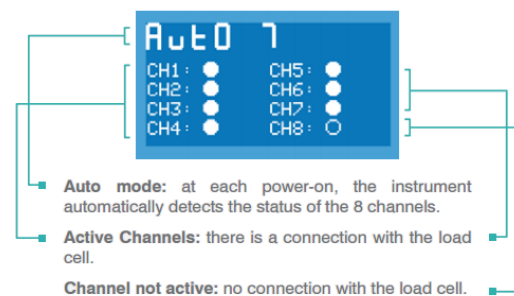


## Technical features:

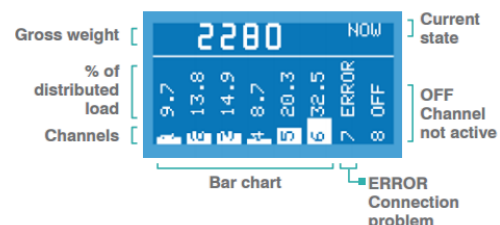
Power supply and consumption	12 - 24 VDC +/- 10% ; 5 W
Number of Load Cells in parallel and supply	max 16 ( 350 ohm ) ; 5VDC/120mA
Linearity and linearity of the analog output	< 0.01% Full Scale ; < 0.01% Full Scale
Thermal drift and thermal drift of the analog output	< 0.0005 % Full Scale /°C ; < 0.003% Full Scale /°C
A/D Converter	8-Channels - 24 bit (ca 16.000.000 points) 4.8 kHz
Max divisions (with measure range: +/- 10mV =2mV/V)	+/- 999999
Measure range	+/- 39 mV
Maximum Load Cells sensitivity	+/- 7 mV/V
Maximum conversions per second	600 conversions/sec. (600 Hz)
Display range	- 999999 ; + 999999
Decimals / Display increments	0 - 4 ; x 1 x 2 x 5 x 10 x 20 x 50 x 100
Digital filter / Conversion rate	0.006 - 7 sec ; 5 - 600 Hz
Logic relay outputs	N.5 - maximum 115 VAC / 150mA
Logic inputs	N.3 - opto-isolated 5 - 24 VDC PNP
Serial port	RS485 (ASCII or Modbus RTU)
Baud rate	2400, 4800, 9600, 19200, 38400, 115200
Humidity (condensate free)	85%
Storage temperature range	- 30°C + 80°C
Working temperature range	- 20°C + 60°C
Dimensions (L x H x W)	148 x 92 x 60 mm

## 8 independent channels:

The screen shows the automatic standard operating mode and the activation/deactivation status of the individual channels to indicate the presence/absence of a connection with a load cell.



The T2 8-Channel transmitter displays graphically what the current distribution on each of the active channels is.



The T2 8-Channel transmitter displays graphically what the load cells response signal in mV for every active channel is.



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