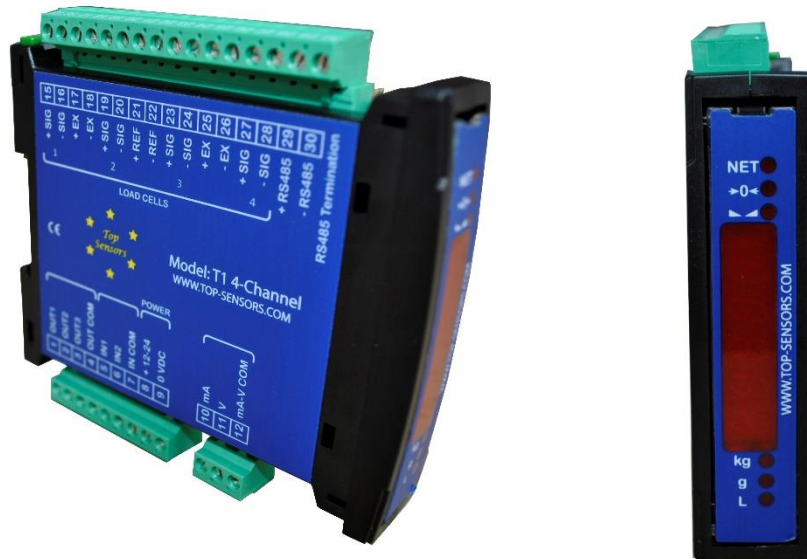


# Type T1 4-channel weight transmitter



## Short description



- Weight transmitter and indicator for Omega/Din rail mounting
- 4 independent reading channels
- Suitable for back panel
- Six-digit semi-alphanumeric display
- 7 segment 8 mm height LED
- 6 signalling LEDs
- Four buttons for the system calibration (behind display)
- On board terminals for 1, 4 or 6-wire load cell
- The T1.4 can be configured and managed, using the free "Instrument Manager" PC software, which you can download from our website.

## Available models

Model	Full article description	Part number
T1 4-channel	Top-Sensors T1 weight transmitter analog/dig DIN	80032000

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





## Standard Specifications T1 Weight Transmitter

0.25  $\mu$ V/VSI, 10.000 divisions range.

0.01  $\mu$ V/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 by ASCII or Modbus RTU.

Optional protocols: Profibus DP, Ethernet/Modbus TCP/IP, USB through converter, CANopen and Profinet.

3 Relay logic outputs controlled by the setpoint values or via protocols.

2 opto-isolated PNP logic inputs: status reading via serial communication protocols.

4 load cell dedicated inputs.

## Technical Specifications

<b>Power Supply</b>	VDC	12 ~ 24 $\pm$ 10%
<b>Power Consumption</b>	W	5
<b>Number of Load Cells in Parallel (350 <math>\Omega</math>)</b>	Max	16
<b>Load Cell Power Supply</b>	VDC / mA	5 / 240
<b>Linearity and Linearity of the Analog Output</b>	%FS	< 0.01
<b>Thermal Drift</b>	%FS/ $^{\circ}$ C	< 0.0005
<b>Thermal Drift of the Analog Output</b>	%FS/ $^{\circ}$ C	< 0.003
<b>A/D Converter (4.8kHz)</b>	Channel/Bit	4 / 24 (ca 16.000.000 points)
<b>Max Divisions (with measure range: <math>\pm</math> 10mV, sensitivity 2mV/V)</b>	mV	$\pm$ 999999
<b>Measure Range</b>	mV	$\pm$ 39
<b>Maximum Load Cells Sensitivity</b>	mV/V	$\pm$ 7
<b>Maximum Conversions per Second (600Hz)</b>	conversions/sec.	600
<b>Display Range</b>		- 999999 ; + 999999
<b>Decimals /</b>		0 – 4
<b>Display Increments</b>		x 1 x 2 x 5 x 10 x 20 x 50 x 100
<b>Digital Filter / Conversion Rate</b>	Sec / Hz	0.006 – 7 / 5 – 600
<b>Logic Relay Outputs N.3</b>	VAC / mA	Max. 115 / 115
<b>Logic Inputs N.2 – Opto-isolated</b>	VDC PNP	5 ~ 24
<b>Serial Port (ASCII or Modbus RTU)</b>		RS485
<b>Baud Rate</b>	Bits / s	2400, 4800, 9600, 19200, 38400, 115200
<b>Opto-isolated Analog Output</b>	Bit / divisions	16 / 65535
<b>Maximum Humidity (non-condensing)</b>	%	85 @ 20 $^{\circ}$ C
<b>Storage Temperature Range</b>	$^{\circ}$ C	-30 / +80
<b>Working Temperature Range</b>	$^{\circ}$ C	-20 / +60
<b>Working Temperature Range Approved (CE-M Approved)</b>	$^{\circ}$ C	-20 / +50
<b>Dimensions (L x H x W)</b>	mm	26 x 115 x 120

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