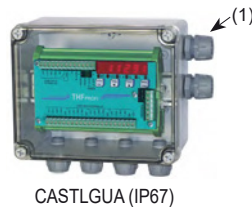




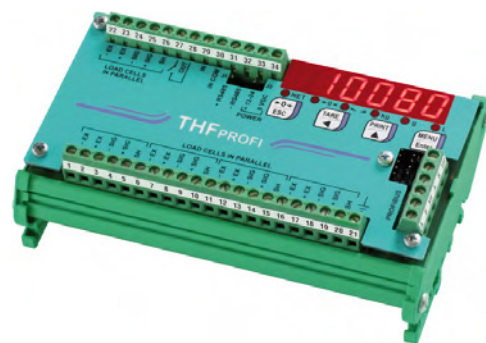
THFPROFI
Digital weight Transmitter (RS485 - PROFIBUS)



CE-M APPROVABLE
10000 divisions-0.2µV/VSI



CASTLGUA (IP67)



CASTLASTPG9 (IP67)

If mounted near the load cells it replaces the parallel board.

FEATURES

- A/D Converter 24bit (16000000 points) 4800Hz
- Display range 999999
- Conversion rate 300 Hz

Weight transmitter and indicator for Omega/DIN rail mounting suitable for back panel or junction box. Six-digit semi-numeric display (11mm h), 7 segment LED. Four-key keyboard. Dimensions: 148x92x50 mm. IP67 box version dimensions: 170x140x95 mm. Four fixing holes diameter 4 mm (centre distance 122x152 mm).

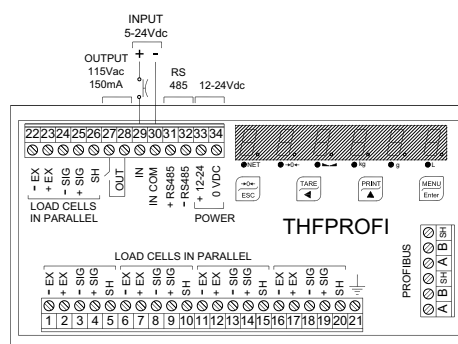
The instrument is equipped with two communication ports:

- **Slave Profibus DP port (instrument registered to Profibus organization - PNO)**, max 32 instruments without line repeaters; max 126 instruments with line repeaters .
- **RS485** for connection to:
 - PC/PLC up to 32 instruments (max 99 with line repeaters) by ASCII Laumas protocol (compatible with W60000) or ModBus RTU protocol.
 - Remote display.

THEORETICAL CALIBRATION is performed via the keyboard.

Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).

CE-M approvable **EN45501-2014/31/UE-OIML R76:2006**



TECHNICAL FEATURES

12 - 24 VDC +/- 10% ; 5 W
max 8 (350 ohm) ; 5VDC/120mA
< 0.01% Full Scale
< 0.0005 % F.S. /°C
24 bit (16000000 points) 4.8kHz
± 999999
± 39 mV
± 7 mV/V
300 conversions/sec.
- 999999 ; + 999999
0 - 4 ; x 1 x 2 x 5 x 10 x 20 x 50 x 100
0.012 - 7 sec / 5 - 300 Hz
N.1 - max 115 VAC / 150mA
N.1 - optoisolated 5 - 24 VDC PNP
2400, 4800, 9600, 19200, 38400, 15200
up to 12 Mbit/s
85 %
- 30°C + 80°C
- 20°C + 60°C
- 10°C + 40°C

POWER SUPPLY and CONSUMPTION
No LOAD CELLS IN PARALLEL and SUPPLY LINEARITY
THERMAL DRIFT
A/D CONVERTER
MAX DIVISIONS (with measure range: +/- 10mV =2mV/V)
MEASURE RANGE
MAX LOAD CELL'S SENSITIVITY
MAX CONVERSIONS PER SECOND
DISPLAY RANGE
DECIMALS / DISPLAY INCREMENTS
DIGITAL FILTER / CONVERSION RATE
LOGIC RELAY OUTPUTS
LOGIC INPUTS
RS485 PORT - Baud rate
PROFIBUS PORT - Baud rate
HUMIDITY (condensate free)
STORAGE TEMPERATURE
WORKING TEMPERATURE
WORKING TEMPERATURE (CE-M APPROVED)

The input can work as: net/gross weight, zero-setting, peak, or can be remotely read via protocol. The output can work as set-point or can be remotely switched via protocol. In monodirectional mode the RS485 port can be directly connected to PC's or remote display's RS232 port.

OPTIONS ON REQUEST

- **CASTL IP67** box version with transparent cover
- (2) - **CASTLPG9** transparent version with 6 PG9 cable glands
- (1) - **CASTLGUA** transparent version with 6 PVC fittings
- **CASTLAST IP67** box version with external keypad
- (2) - **CASTLASTPG9** keypad vers. with 6 PG9 cable glands
- (1) - **CASTLASTGUA** keypad version with 6 PVC fittings
- **IP67 ATEX** version II 3GD (zone 2-22)
- **Alibi** memory
- **Initial verification (Legal Metrology)**

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.