TLBPROFINET IO

DIGITAL WEIGHT TRANSMITTER (RS485 - PROFINET IO)

- A/D Converter 24bit (16000000 points) 4800Hz - Conversion rate 300 Hz - Display range 999999	**TLB PROFINET IO** .... - 2 Analog inputs 0-10V, 10 bits (they replace logic inputs) ..... - Alibi memory	**RRP £365** *ASK FOR AN OFFER* **RRP £75**

CE - M APPROVABLE

III 10000 divisions
0.2 µV/VSI

on request c UL us   РСТ   NTEP

Weight transmitter and indicator for Omega/DIN rail mounting suitable for back panel; space-saving vertical shape. Six-digit semialphanumeric display (8mm h), 7 segment LED. Four buttons. Dimensions: 25x115x120 mm.
The instrument is equipped with two communication ports:
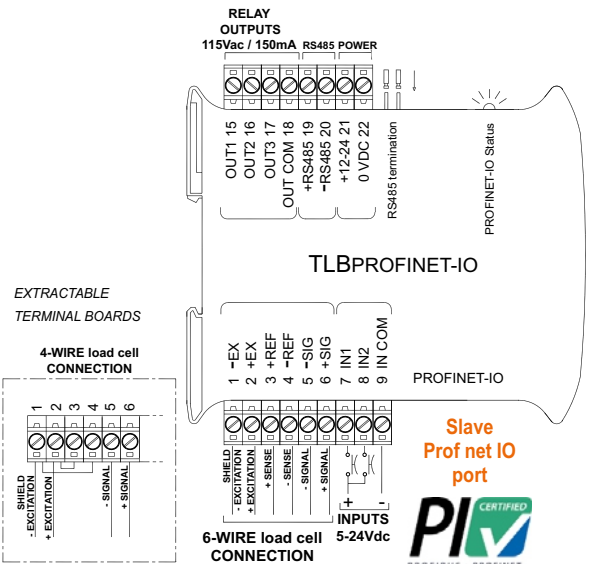- **Slave PROFINET IO port.**
- RS485 for connection to:
    - PC/PLC up to 32 instruments (max 99 with line repeaters) by ASCII Laumas protocol (compatible with W60000) or ModBus RTU protocol.
    - Remote display.
THEORETICAL CALIBRATION by using buttons.
Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).
CE- M approvable EN45501-2009/23/EC-OIML R76:2006

RELAY OUTPUTS 115Vac / 150mA   RS485   POWER

OUT1 15 | OUT2 16 | OUT3 17 | OUT COM 18 | +RS485 19 | -RS485 20 | +12-24 21 | 0 VDC 22 | RS485 termination | PROFINET-IO Status

TLBPROFINET-IO

EXTRACTABLE TERMINAL BOARDS

4-WIRE load cell CONNECTION

1 - EX | 2 +EX | 3 +REF | 4 -REF | 5 -SIG | 6 +SIG | 7 IN1 | 8 IN2 | 9 IN COM

PROFINET-IO

6-WIRE load cell CONNECTION

INPUTS 5-24Vdc

Slave Prof net IO port

PI CERTIFIED PROFIBUS · PROFINET

TECHNICAL FEATURES

POWER SUPPLY and CONSUMPTION	12 - 24 VDC +/- 10% ; 5 W
No LOAD CELLS IN PARALLEL and SUPPLY	max 8 (350 ohm) ; 5VDC/120mA
LINEARITY	< 0.01% Full Scale
THERMAL DRIFT	< 0.0005 % F.S. /°C
A/D CONVERTER	24 bit (16000000 points) 4.8 kHz
MAX DIVISIONS (with measure range: +/- 10mV =2mV/V)	± 999999
MEASURE RANGE	± 39 mV
MAX LOAD CELL'S SENSITIVITY	± 7 mV/V
MAX CONVERSIONS PER SECOND	300 conversions/sec.
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	0.060 - 7 sec / 5 - 300 Hz
LOGIC RELAY OUTPUTS	N.3 - max 115 VAC / 150mA
LOGIC INPUTS	N.2 - optoisolated 5 - 24 VDC PNP
RS485 PORT - Baud rate	2400, 4800, 9600, 19200, 38400, 115200
PROFINET IO PORT	RJ45 10Base-T (10Mbps) or 100Base-TX (100Mbps)
HUMIDITY (condensate free)	85 %
STORAGE TEMPERATURE	- 30°C + 80°C
WORKING TEMPERATURE	- 20°C + 60°C
WORKING TEMPERATURE (CE-M APPROVED)	-10°C + 40°C

Example of application

The two inputs can work as: net/gross weight, zero-setting, peak, or can be remotely read via protocol. The three outputs can work as set-points 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.

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