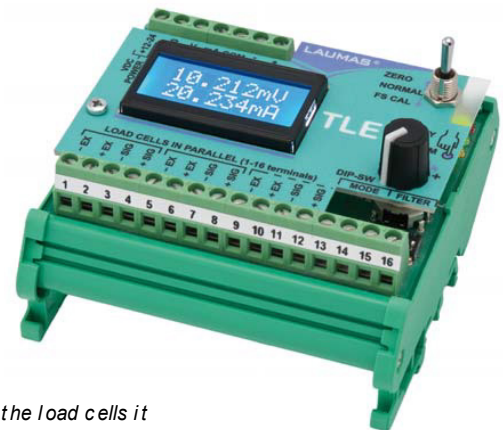




TLE Analog weight Transmitter with RS485



CASTLPG9 (IP67)



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

FEATURES

- TLE 0-20 mA; 4-20 mA; 0-10 V; 0-5 V; ± 10 V; ± 5 V

Weight transmitter and indicator for Omega/DIN rail mounting suitable for back panel or junction box. Dimensions: 90 x 95 x 60 mm. Backlit alphanumeric LCD display, 38x16 mm visible area, two-line by eight-digit (5 mm height). Digital rotary control (Encoder) with integrated button.

IP67 box version, dimensions 170x140x95 mm. Four fixing holes diameter 4mm (centre distance 122x152 mm).

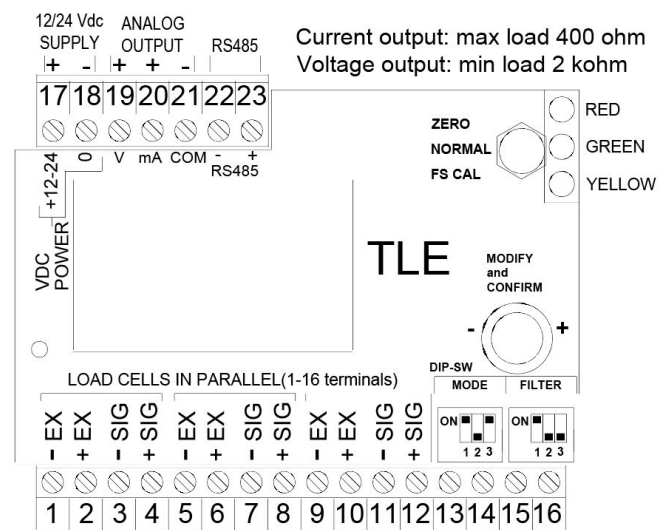
Simple zero setting and full scale, without using multimeter, through digital rotary control (Encoder). Display mV displaying, load cells and analog output value (V or mA).

No restriction on suppression tare and gain. Possibility to perform calibration or theoretical calibration with sample weights. Digital filter.

The instrument is equipped with a RS485 serial port (transmission of divisions from 0 to 200000 for values comprised between 0 and 10 mV) for connection to PC/PLC up to 32 instruments (max 99 with line repeaters) by ModBus R.T.U. protocol.

In monodirectional mode the RS485 port can be directly connected to PC's RS232 port.

16-bit analog output, speeded (update time = 3 ms) selectable via dip-switches: 0-20mA; 4-20mA; 0-10V; 0-5V; ± 10 V; ± 5 V.



TECHNICAL FEATURES

12 - 24 VDC $\pm 10\%$; 3 W
max 8 (350 ohm) ; 5VDC/120mA
< 0.01% Full Scale / < 0.01% F.S.
< 0.0005 % F.S. / °C < 0.003 % F.S. / °C
24 bit (16000000 points) 4.8kHz
 ± 200000
 ± 39 mV
 ± 7 mV/V
300 conversions/sec.
0.003 ÷ 4 s / 10 ÷ 300 Hz
RS485
2400, 4800, 9600, 19200, 38400, 115200
85 %
- 30°C + 80°C
- 20°C + 60°C

POWER SUPPLY and CONSUMPTION
No LOAD CELLS IN PARALLEL and SUPPLY
LINEARITY / LINEARITY OF THE ANALOG OUTPUT
THERMAL DRIFT / THERMALDRIFT OF THE ANALOG OUT.
A/D CONVERTER
MAX DIVISIONS (with measure range: ± 10 mV = 2mV/V)
MEASURE RANGE
MAX LOAD CELL'S SENSITIVITY
MAX CONVERSIONS PER SECOND
DIGITAL FILTER / CONVERSION RATE
SERIAL PORT
BAUD RATE
HUMIDITY (condensate free)
STORAGE TEMPERATURE
WORKING TEMPERATURE

OPTIONS ON REQUEST

- CASTL IP67 box version with transparent cover
- CASTLPG9 transparent version with 6 PG9 cable glands
- CASTLGUA transparent version with 6 PVC fittings.....
- IP67 ATEX version II 3GD (zone 2-22)