

LAUMAS®

TLE Series - Analog Load Cell Transmitter

Part No. **TLE**

Overview

The Laumas TLE analog load cell transmitter easily converts a load cell mV/V input into an analog (V or mA) signal or provides values which can be read by a PLC or computer via RS-485 Modbus RTU. Calibration is accomplished using a simple rotary encoder and switch with onboard display of the mV input and scaled analog output. Real-world values on the display prevent the need to take readings with a multimeter or other device. Easily perform either a theoretical calibration based on the load cell values or a real calibration with sample weights.

Features

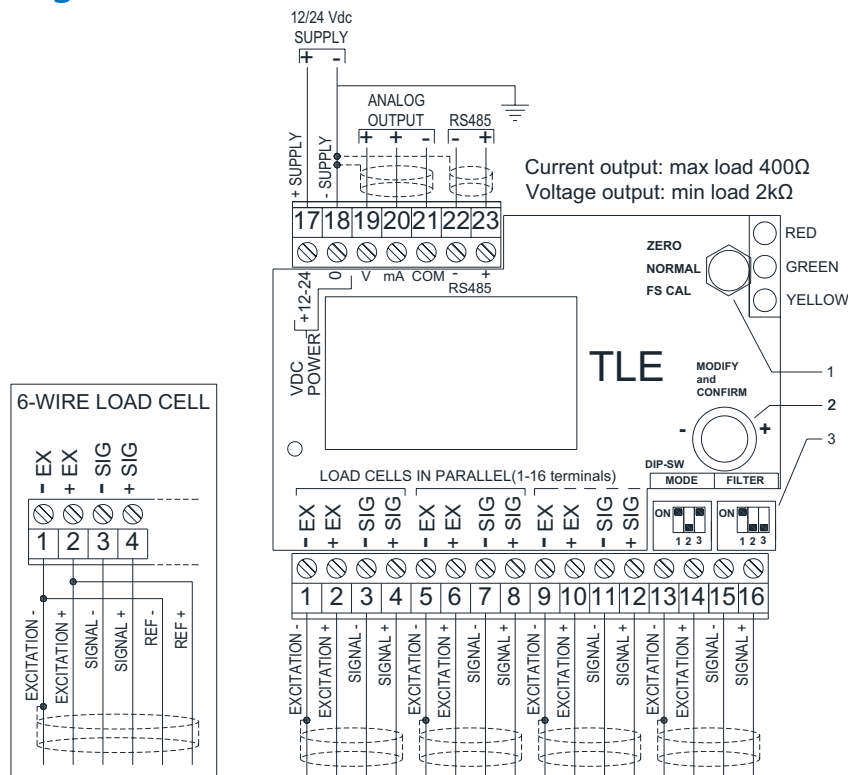
- Opto-isolated 16-bit analog output / 24-bit input
- RS-485 Modbus RTU communication
- Eight-digit backlit LCD alphanumeric two-line display
- Simple zero and full-scale setting via rotary encoder
- Power up to 8 parallel load cells (at 350Ω each) or 16 parallel load cells (at 700Ω each)
- Easy monitoring via RS-485
- DIN rail mounted
- Made in Italy



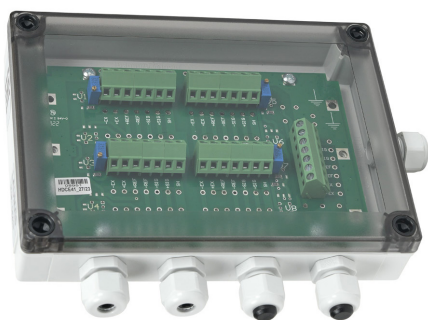
TLE Series Analog Load Cell Transmitter						
Part Number	Description	Price	Weight (lbs)	Drawing Link	Manufacturer Technical Specifications	Manufacturer Manual
TLE	Laumas analog load cell transmitter, (4) load cell input(s), +/- 39 mV, analog output, Modbus RTU, 12-24 VDC operating voltage. For use with 4- or 6-wire load cells. Up to (8) load cells can be connected.	\$210.00	0.524	PDF	PDF	PDF

Note: For additional wiring, specifications and installation information, refer to the additional Manufacturer Specs and Manual PDFs.

Wiring



LAUMAS® Equalization Junction Box

Part No. **CE41N**

Overview

The Laumas CE41N equalization junction box provides an easy way to take multiple load cells in a weighing system and sum them up for a total weight. The CE41N's built-in potentiometers allow for trimming the individual load cells that make up the summed signal so the same load applied at each cell provides a consistent change to the combined output signal. Multiple units can be utilized to allow for even larger numbers of load cells to be used with electronics with multiple inputs (up to 16 load cells with the [TLB4](#), for example).

Features

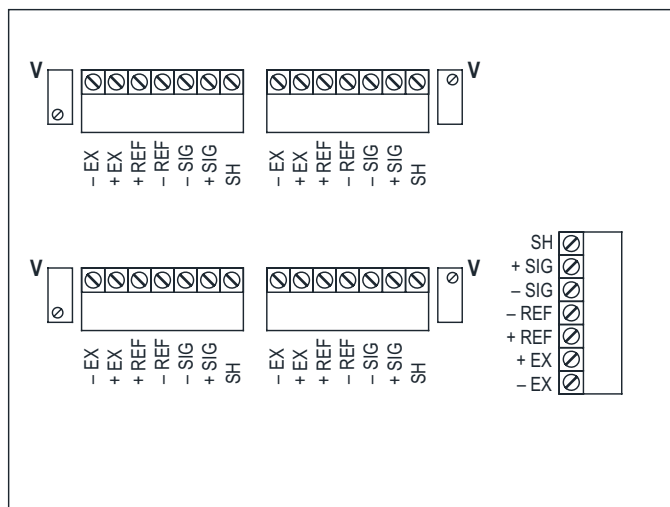
- Clear cover for easy inspection of wiring
- Trimmer potentiometers for signal equalization of up to 4 load cells
- IP67 protection rating
- Cable glands included
- Works with 4- or 6-wire load cells
- Made in Italy

Equalization Junction Box

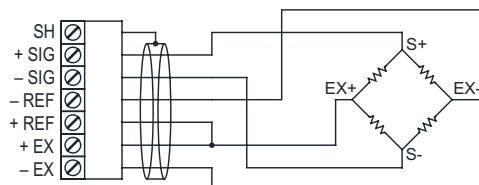
Part Number	Description	Price	Weight (lbs)	Drawing Link	Manufacturer Technical Specifications
CE41N	Laumas equalization junction box, ABS plastic. For use with up to (4) 4- or 6-wire load cells.	\$89.00	0.952	PDF	PDF

Note: For additional wiring, specifications and installation information refer to the additional Manufacturer Specs PDFs.

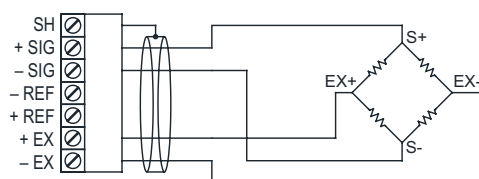
Wiring



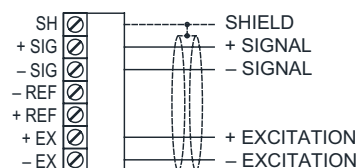
6-WIRE LOAD CELLS CONNECTION



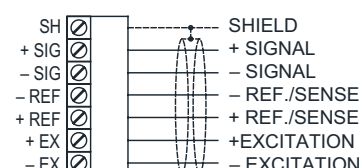
4-WIRE LOAD CELLS CONNECTION



4-WIRE OUTPUT CABLE WITH 4-WIRES LOAD CELL



6-WIRE OUTPUT CABLE WITH 6-WIRE LOAD CELL



6-WIRE OUTPUT CABLE WITH 4-WIRE LOAD CELL

