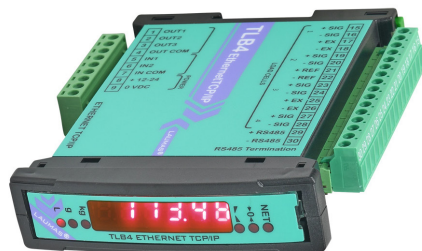


LAUMAS®

TLB4 Series - Analog Load Cell Transmitters

Overview

Part No. **TLB4ETHETCP**

The Laumas TLB4 series load cell transmitter easily converts four individual load cell mV/V inputs into an analog (V or mA) signal or into values which be read by a PLC or computer via RS-485 Modbus RTU or, depending on the model, via EtherNet/IP or Modbus/TCP. The **TLB4ETHETCP** model provides a TCP/IP Webserver for remote monitoring and control. Easily perform either a theoretical calibration based on the load cell values or a real calibration with sample weights. The TLB4 can be mounted on DIN rail or enclosure mounted. Display and LEDs allow for quick reference. The TLB4 also provides inputs and outputs for control of batching, alarming, taring, and other input and output actions.

Features

- 4 channel 24-bit input
- 16-bit analog output (TLB4), EtherNet/IP (TLB4ETHEIP), or Modbus/TCP (TLB4MODBUSTCP)
- RS-485 Modbus RTU communication on all models
- 2 logic inputs, 3 relay outputs
- Six-digit LED display
- Simple setting via four front panel buttons
- Power up to 16 parallel load cells (at 350 ohms)
- Easy configuration and monitoring via RS-485 using Instrument Manager software
- DIN rail or panel mounted
- IP30 front panel protection rating
- Made in Italy

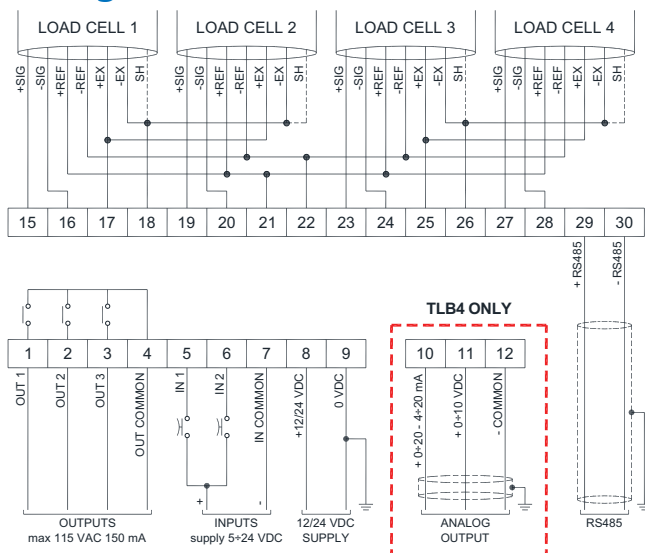


TLB4 Series Analog Load Cell Transmitter Selection

Part Number	Load Cell Inputs	Load Cell Signal Range	Port Protocol(s)	Operating Voltage	Use With	Price	Weight (lbs)	Drawing Link	Manufacturer Technical Specifications	Manufacturer Manual	Manufacturer Protocols Manual
TLB4	4	+/- 39 mV	• Modbus RTU Slave	12-24 VDC	4- or 6-wire load cells (up to 16 can be connected)	\$289.00	0.534	PDF	PDF	PDF	PDF
TLB4ETHETCP			• Modbus RTU Slave • Modbus webserver (non-secure HTTP)			\$425.00	0.528	PDF			
TLB4MODBUSTCP			• Modbus RTU Slave • Modbus TCP Server			\$485.00	0.534	PDF			
TLB4ETHEIP			• EtherNet/IP Server • Modbus RTU Slave			\$550.00	0.57	PDF			

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

Wiring



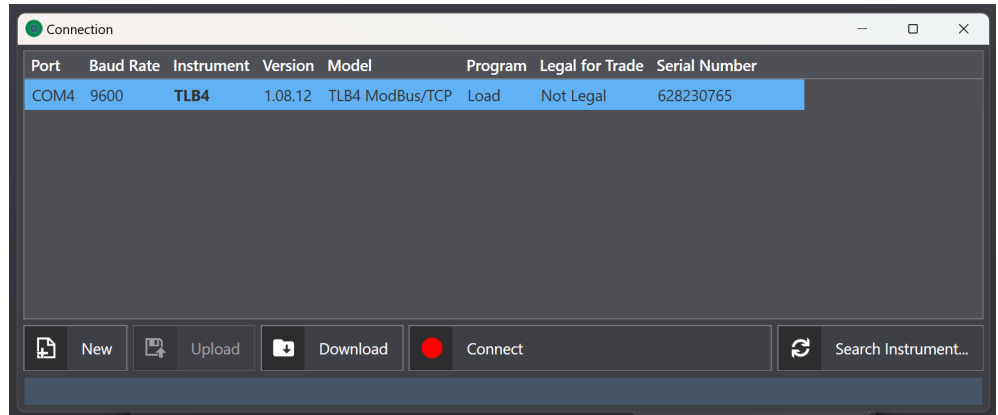
LAUMAS® Instrument Manager Software

LAUMAS-MANAGER-SW FREE Download

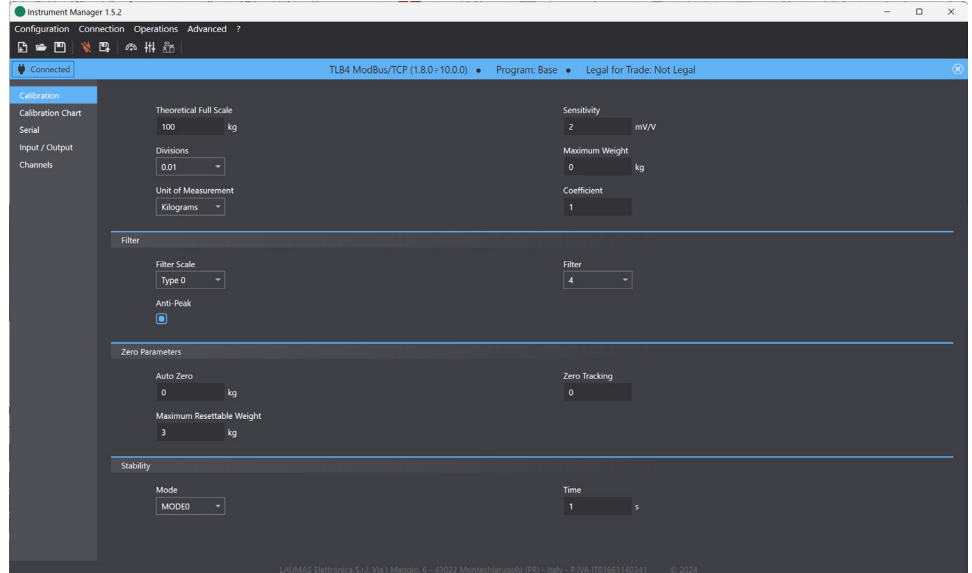
Unlock the full potential of your LAUMAS TLB4 series load cell transmitters with Instrument Manager - the free, powerful software designed for seamless PC management. Compatible with the TLB4 series, this intuitive tool empowers you to configure parameters, monitor performance, perform real calibrations, and update firmware effortlessly. It allows you to create and compare configurations, track real-time weight data, and streamline diagnostics with multichannel insights - all from your desktop. Simplify your setup, boost precision, and keep up-to-date with automatic firmware updates straight from LAUMAS. Download Instrument Manager at AutomationDirect.com and get started!

Use the USB-485M AutomationDirect PC adapter to connect to the RS-485 communications ports on the [TLB4](#).

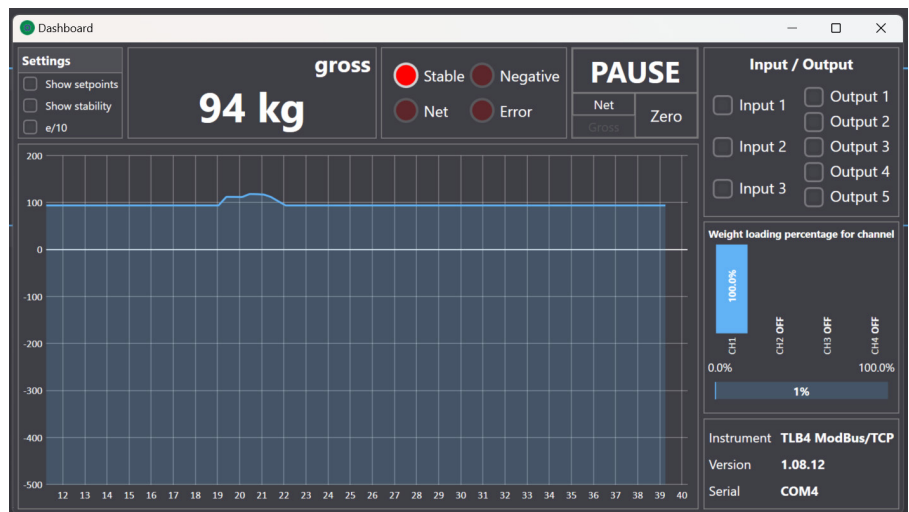
Easily Connect...



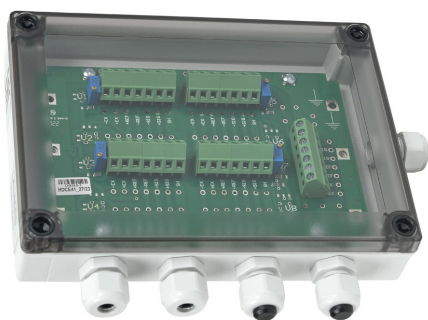
...configure...



...monitor



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).

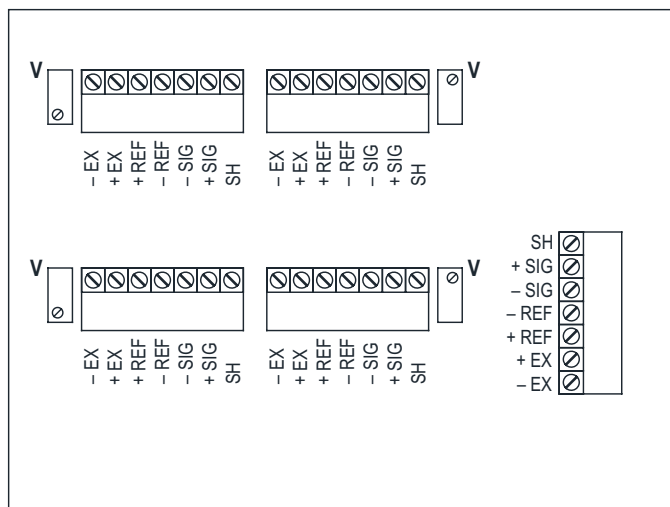
Features

- 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

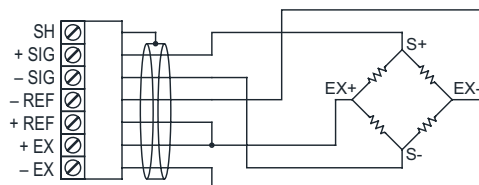
Equalization Junction Box					
Part Number	Description	Price	Weight (lbs)	Drawing Link	Manufacturer Technical Specifications
CE41N	Laumas equalization junction box, ABS plastic. For use with up to (4) 4- or 6-wire load cells.	\$89.00	0.952	PDF	PDF

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

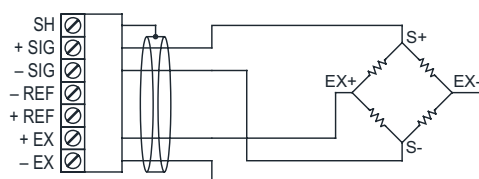
Wiring



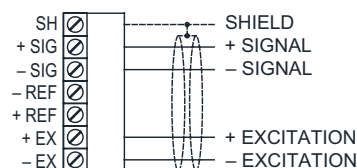
6-WIRE LOAD CELLS CONNECTION



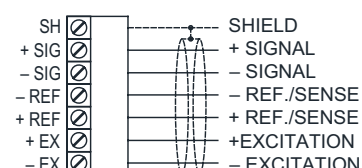
4-WIRE LOAD CELLS CONNECTION



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

