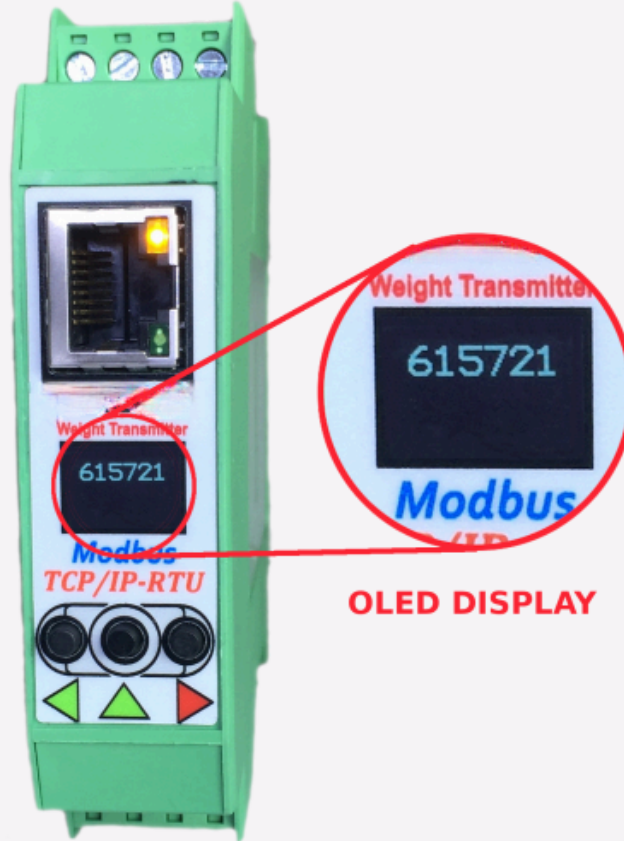




ACATEQ
INDUSTRY

MODBUS/TCP LOADCELL WEIGHT CONVERTER



ACATEQ ENDUSTRI URUNLERI IC ve DIS TIC LTD STI

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- pe-tcp Direct access interface and easy to use Menu on OLED Screen.

EMC design with high anti-interference ability suitable for industrial environments.

- The pETCP loadcell transmitter provides 10VDC excitation for six 350 ohm load cells wired in parallel.
- Signal, power and output isolation eliminates potential grounding problems.
- Digital signal filtering modes can be selected for stable readings in electrically noisy environments.
- 9-32VDC operational and DIN rail mounted, it is ideal for weighing systems using a PLC as the load cell amplifier can be mounted in the same cabinet as the PLC.
- pETCP provides a relay output with user-configurable setpoints or a programmable digital input as standard.
- With a 4-wire load cell connection, it operates in a proportioning mode to eliminate errors caused by power supply variations.
- With pETCP you will gain a plug-and-play system that is ready to exceed your expectations.
- Our pETCP loadcell amplifier works well in applications where the weighing system is controlled by a computer or PLC.
- pETCP provides excellent results in batch weighing, process control, weighing control and OEM systems.
- Full galvanic isolation between input optical isolation and load cell and supply.

- Modbus TCP/IP RTU.
- Remote calibration via front panel or Modbus.
- Advanced Instant filtering algorithm.
- Calibration with or without load (eCal).
- Independent Zero and Span calibration.
- One Role set output. (optional)
- Weight MODE 1/1,000,000 sensitivity.
- Key lock.
- Millivolt display



CALIBRATION METHOD:

- Full Calibration with Load, Zero Adjustment, Gain Adjustment
- Calibration under Load, Independent Gain Adjustment (optional)
- Calibration without using load
- Full Calibration over ModbusTCP (with or without load)

PROCESSOR:

- Cpu 32 bit ARM Cortex

A/D CONVERTER:

- Adc 24 bit Delta Sigma
- Cycle Speed 5 600 Cycles/Second
- Measuring range $\pm 2\text{mV/V}$ $\pm 3\text{mV/V}$
- Linearity ± 1 digit with 0.02% FS
- Temperature effect Span < 1 ppm/K , Zero < 5 nV/K typical
- Internal Count 16,000,000
- Sensitivity Weight Mode 1/1,000,000 Sensitivity

FUNCTIONS:

- Digital Filter 10 Step Instant Filtering
- Weighing Functions Automatic Zero Tracking
- Detector of Depression
- Reset
- Apple Flour
- Automatic Reset on Startup

WORKING MODE:

- Weight Mode

ETHERNET :

- RJ45 10Base-T (10Mbps) or 100Base-TX (100Mbps)

LED SCREEN:

- ± 999999 6 Digit Oled Display, Dotted Display

INPUT / OUTPUT:

- Digital input 1pcs Opto isolator, 24VDC, 0.5 mA
- Relay Output 1 Relay Contact Output, 24V AC/DC, 2Amp

DEVICE:

- Operating Voltage 18 .. 36 VDC, 300 mA @ 24 VDC
- Operating Temperature -10 °C to $+40$ °C, 85% humidity
- Protection Class EN 60529 : Front panel IP65 : Rear Panel IP20
- Kutu 114.5 x 99 x 23 mm

COMMUNICATION:

- Modbus TCP/IP RTU.

INPUT PROTECTION:

- Bipolar Transient Voltage Suppressors (TVS)

BUTTON:

- 3 push buttons on the front panel

LOAD CELL

EXC	SGN	+	-
1	2	3	4

POWER

IN/OUT	24V (+)	⏚	0V
5	6	7	8

Weight Transmitter

Modbus

TCP/IP-RTU

TYPE **pE-TCP-**

SN: _____

1 2 3 4

5 6 7 8

