



TPL-350 digital load cell amplifier for panel installation

Silo and tank weighing, level monitoring, force measurement

- Accuracy 0.05
- LED-display 4.5 decades, height 10 mm
- Calibration by keypad
- Auto tare
- Peak hold
- Set point relays
- Analogue output 4 - 20 mA or 0 - 10 VDC
- Panel or DIN rail installation

The TPL-350 load cell amplifier equipped with a display can be used with all types of strain gauge load cells in weighing and force measurement.

The simple and easy calibration/configuration of the amplifier allows rapid and trouble-free equipment start-ups. Calibration and function definitions are carried out by using the device's own keypad and display,

without additional equipment. Calibration is done simply at two points (e.g. 0 and max) by entering the relevant loading data in the memory of the device.

TPL-350

Technical data

Accuracy	Accuracy class: 0.05 Internal resolution: 32000 Drift: 20 ppm / °C @ 2.5 m V/V Speed: 10 readings /s
Environmental conditions	Operating temperature: -10...+50 °C Relative humidity: 95 % max. non-condensing
Input voltage	230 VAC -15 ...+10%, 50/60 Hz 10 VA 115 VAC -15 ...+10%, 50/60 Hz 10 VA 12 – 24 VDC 10 VA
User interface	4 keys Red 10 mm-high 4.5 decade LED-display 3 LEDs for display of programming and set point state
Load cell interface	9,6 V (max 150 mA), e.g. 4 pcs / 350Ω load cells Cabling: 4- or 6-wire connection
Analogue output	Galvanically isolated 4 – 20 mA (max 1 kΩ) or 0 – 10 V (max 50 mA) Output inversion selectable Adjustable digital filtering
Set points	2 set point relays, 230 VAC, 5A, latching and inversion options Preact value and hysteresis setting possibilities
Serial interface	RS-232, RS-485, baud rates 300 – 9600
Directive	Conforms to EMC-directive 89/336/EEC and low-voltage directive 73/23/EEC
Mechanical construction	Black plastic case Front panel protection class: IP 65 Case dimensions: width 72 mm, height 72 mm, depth 163 mm (without connector) Dimensions of installation opening: 67 mm x 67 mm DIN rail installation: width 100 mm, height 100 mm, depth 191 mm Weight: 750 g

Optional device configurations

