

An intelligent, fully featured load cell controller with advanced features to suit a variety of industrial weighing applications.

- › **4 wire or 6 wire strain gauge input, 1–5mV/V**
- › **Advanced batching functions for filling or emptying applications**
Maintains the gross weight in the background while simultaneously monitoring and controlling the batch weight
- › **Input signal averaging** Reduces noise and optimises stable measurement
- › **Intuitive interface** With scrolling text prompts



- › **Automatic zero maintenance**
- › **Up to 4 setpoints**
- › **Optional 4–20mA or 0–10V analog output**
- › **Optional RS232/RS485 serial port**

Specifications

Input signal 4 or 6 wire strain gauge, 1–5mV/V

Power supply HV (85–265V AC / 95–370V DC) or LV (15–48V AC / 10–72V DC)

Display 1 x 6 digit (13mm), 14 segment alphanumeric LED. 5 buttons, 4 setpoint indicator LEDs + 1 NET indicator LED

Panel mount case 48H x 96W x 120D (mm)

Relay outputs (Optional) 2 or 4 x 5A form A (3A 240V AC max or 3A 30V DC max). Enables LED annunciators for alarms and relay status indication

Analog output (Optional) 1 x isolated 16 bit 4–20mA/0–10V. Window programmable over any range within the full scale range of the controller

Serial port (Optional) Isolated RS232 (RJ11) or RS485 (screw). Custom ASCII / Modbus RTU slave / Ranger A

Excitation 5V DC, supplied by controller (powers up to 8 x 350Ω load cells)

Sampling rate up to 50Hz

Resolution 18 bit

Accuracy 0.005% of reading

Temperature drift 3ppm/°C typical

Factory calibrated and set up for 0–10,000 counts (2mV/V sensor gain at full scale). Simple recalibration using auto (zero and span values), mV/V or zero offset

Security PIN protected input and setpoint setup

Order code: PRO-TC

-HV 85–265V AC / 95–370V DC

-LV 15–48V AC / 10–72V DC

Options

-R2 2 x relay outputs

-R4 4 x relay outputs

-A 1 x mA/V analog output

-S2R 1 x RS232 serial (RJ11)

-S4S 1 x RS485 serial (screw terminal)

E.g. Order PRO-WEI100-LV, PRO-WEI100-HV-R4-A-S2R

