

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
- › **Automatic zero maintenance**
- › **Dual display** For viewing Net/ Batch or Live values
- › **Signal conditioning**
- › **2 x relay outputs included**
- › **Optional 4–20mA or 0–10V analog output**
- › **Optional RS232/RS485 serial port**



Specifications

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

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

Display 2 x 8 digit (8mm), alphanumeric LCD

DIN mount case 101H x 45W x 120D (mm), 35mm DIN rail. 5 buttons. Front panel serial terminal (disabled for non-serial models)

Relay outputs 2 x 5A form A (3A 240V AC max or 3A 30V DC max)

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) 1 x isolated RS232 or RS485. Custom ASCII / Modbus RTU slave / Ranger A *A disabled serial terminal is included on models that do not have serial output installed*

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

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 Input and setpoint setups are independently accessible and PIN protected

Order Code: SC-WEI

-HV 85–265V AC / 95–370V DC

-LV 15–48V AC / 10–72V DC

Options

-A 1 x mA/V analog output

-S2S 1 x RS232 serial (screw)

-S4S 1 x RS485 serial (screw)

E.g. Order SC-WEI-LV, SC-WEI-HV-A-S2S

