

SC-WEILoad Cell Batching Controller

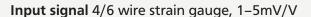
An intelligent, fully featured load cell controller with advanced features to suit a variety of industrial weighing applications.

- 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



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 $8 \times 350\Omega$ 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
-525	1 x RS232 serial (screw)
-545	1 x RS485 serial (screw)

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