



Procon Engineering

(A Division of National Oilwell Varco UK Limited)



Type EP52 (EP50 MKII) Load Cell Beltweigher Controller

load cell input	114mm x 64mm backlit graphics and text display
tachometer input for precise measurement of actual belt speed	optional outputs of live weight, flow rate, and totalised values
integrates with PLC's & SCADA	belt speed control, and batch control
2 programmable serial interface with various protocols including Modbus	dynamic zero compensation facility
Ethernet IP & Profibus DP options	IP65 front panel

The EP52 (EP50 MKII) Beltweigher controller is the latest in a long line of dedicated controllers from Procon, used for demanding Beltweighing applications in the harshest environments. The EP52 (EP50 MKII) is equipped with modern electronics for field bus connections.

When supplied with a Procon Load Cell Beltweigher, depending on requirements and conveyor design, system accuracies of ± 0.5 , 1, and 2% can be achieved.

Re-transmission of live net weight, flow rate and totalised values can be achieved by fitting serial communications or analogue outputs.

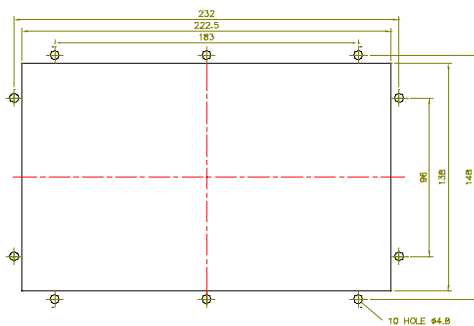
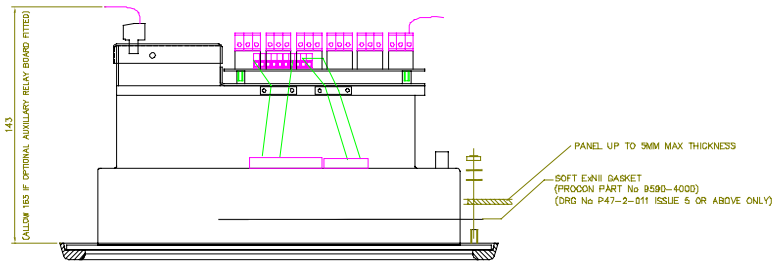
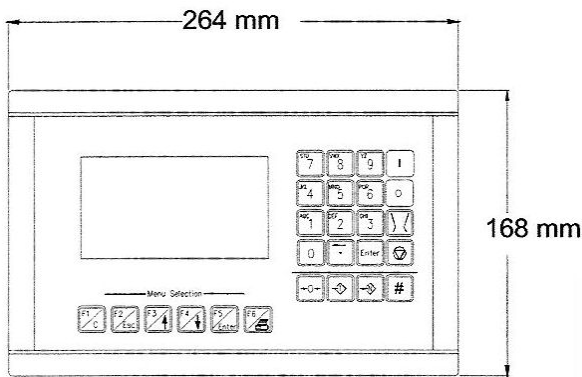
A very powerful controller, housed in a compact enclosure with a sealed IP65 front panel, ensuring High performance combined with long-term repeatability.

technical specification sheet

Type EP52 (EP50 MKII) Load Cell Beltweigher Controller

SPECIFICATION

Mains supply:	24 volt DC nominal tolerance 18v to 34v – 40VA consumption
Primary load cell input	Powers up to 6 x 350 ohm load cells
Accuracy	4000 divisions OIML
Tachometer input:	Tachometer – uses special inbuilt circuit.
Optional auxilliary input:	0 to 10V or 4 to 20mA.
Serial interface port 1:	RS232 and RS485 2 wire/4 wire (software configured)
Serial interface port 2:	RS232 or RS485 2 wire/4wire (software configured). Includes outputs for live weight, flow rate, and totalised values.
In-built digital inputs:	6 x opto isolated 12 to 32 Vdc (with wetting voltage).
Standard outputs:	10 plus watchdog/open collector (relay option available).
Optional analogue output:	0 - 10V & 4 - 20mA, 12 bit. - isolated
Primary display:	114mm x 64mm graphics and text.
Programming display:	Backlit dot matrix LCD display with LED backlighting.
Keyboard:	Polycarbonate overlay with tactile keyswitches.
Environmental:	Operating temperature range 0 to +45 degrees C.
Sealing:	IP65 (front panel only).
Weight	3.5 kg.



Procon Engineering's policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification. E & OE.

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