



Type EP23 Weight Indicator / Controller

4 relay trip outputs rated at 5A

**6-digit 20mm Red LED display
(5 digit range)**

Analogue output options

10 point linearisation

**Optional IP65 front cover or wall
mounting box**

**Optional serial interfaces – RS232
and RS485**

The EP23 Weight Indicator has been designed to be simple to configure. It is easy to set up because no menu is used.

The front panel has a 6 digit, 7-segment display window for displaying the measurement. It allows decimal point and minus sign characters to be included and has 4 alarm annunciators to show the status of each alarm relay.

The front panel pushbuttons each have a LED to show which setting is being altered.

The Weight Indicator / Controller can give alarm outputs, scaled and isolated analogue outputs and isolated serial data communication when fitted with option boards.

The EP23 is also available as a process display meter version, where the load cell input is replaced with either 4-20mA or 0-10V signal inputs.

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Technical Specification Sheet

SPECIFICATION	
INPUT	
Power supply	95-265 V AC 50Hz
Power usage	8VA maximum
Load Cell input	4 or 6 wire
Excitation voltage	10VDC +/-20%, rated at 120mA
Input resistance	>10Megohms
Span temp coefficient	50ppm/Deg C
Zero temp coefficient	20ppm/Deg C
Process input version	4-20mA & 0-10V
CONVERSION	
Filtering/smoothing	Selectable time constant of 0 to 5 seconds
A/D conversion	Dual slope 10 conversions per second. Resolution 1 in 63000 max. over full range
Display update	2 readings per second
OUTPUTS	
Display	6 Digit red LED 20mm high. (5 digit range)
ANALOGUE OUTPUT OPTIONS	
Output configuration	0-10VDC 4-20mA
Drive Capacity	>1K Ohms <500 Ohms
Isolation	250 VAC optically isolated
Accuracy	0.1% of range
ALARM RELAY OPTION	4 SPST relays rated 5A @ 250VAC resistive. Selectable normally open or closed Energise or de-energise on trip.
SERIAL INTERFACE OPTIONS	RS232 and RS485

INSTRUMENT SIZE	
Bezel Size	72mm high x 144mm wide
Panel Cut-out	67.5mm high x 138mm wide
Case depth	150mm including connectors 130mm without
Weight	300 grams
Case Material	Black polycarbonate
Connectors	Detachable screw terminal connectors

Ordering information

You may order one from each group.

			STOCK No
Instrument Version 1	EP23 Load Cell input	4 x 350Ω Load Cells	EP23-001-000
Instrument Version 2	EP23 Process input	4-20mA & 0-10V	EP23-002-000
Option group 1	Analogue outputs	4-20mA	EA23-001-000
		0-10Volt	EA23-002-000
Option group 2	Relay outputs	4 Relay Alarms	EA23-003-000
Option group 3	Serial outputs	RS232	EA23-004-000
		RS485	EA23-005-000
	IP65 front cover		EA23-009-000
	IP65 wall mounting box		EA23-010-000

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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