



Procon Engineering Ltd

(Incorporating: Defiant - Negretti - Inflo - Lintvalve)



Type EP20-100 Airport Baggage Weighing Indicators

modular design reduces installation costs

highly compact profile minimising desk intrusion

27mm alpha numeric high contrast primary display

scale electronics integrated into operator display

totaliser and bag counter for up to 99 bags as standard

full digital set-up and calibration

heavy bag detection with relay output and audible warning

optional RS232 or RS485 serial interface to computer or printer

fully EC weights and measures approved

digital inputs allow use of remote switches

Operator and Passenger Displays

Procon Engineering (incorporating Defiant Weighing) baggage weighing systems utilises trade approved electronics, displays and weigh platforms. These can be integrated into baggage handling systems or supplied as stand alone units.

The EP20-100 series represents the latest technology in weighing electronics utilising a highly integrated design which incorporates the weighing electronics within the operator display. For those desks that require a separate passenger display this is achieved with a simple matching display.

The Procon Engineering EP20-100 range of electronics and displays offer high visibility back lit LCD readouts with all other normal airport requirements built in as standard.

technical specification sheet

Type EP20-100 and EP20-101

SPECIFICATION

Physical

Display: Backlit alphanumeric LCD with six 27mm high digits
Voltage: 110 / 240 v ac or 9-15v dc
Power: AC Power: 110/240VAC 50/60Hz 10VA

Body size: 189mm (L) x 98mm (H) x 23mm (D)

Performance

Accuracy: Up to 6,000 divisions
Display Resolution: Up to 30,000 divisions, minimum of 0.25 μ V/division
(For trade 6000 divisions at 1 μ V/division)
Count-by: 1, 2, 5, 10, 20, 50, 100 (entered in displayed weight)
Zero Cancellation: + / - 2.0mV/V
Span Adjustment: 0.1mV/V to 3.0mV/V full scale
Stability/Drift: Zero: < 0.1 μ V/ $^{\circ}$ C, Span < 10ppm/ $^{\circ}$ C,
Linearity < 20ppm, Noise < 0.05 μ V p-p
Operating Environment: Temperature: -10 $^{\circ}$ C to +50 $^{\circ}$ C ambient,
Humidity: <90% non-condensing

Digital

Setup and Calibration: Full digital with visual prompting in plain messages
Memory Retention: Full non-volatile operation
Digital Filter: Averaging from 1 to 100 consecutive readings
Zero Range: Adjustable from +/- 2% to +/-20% of full capacity

Load Cells

Excitation: 8 volts for up to 8 x 350 ohm load cells (6-wire + shield)

Options

Relay output contacts: Rated 240VAC @ 2A resistive
Serial Interface: RS485 bi-directional or RS232 transmit only

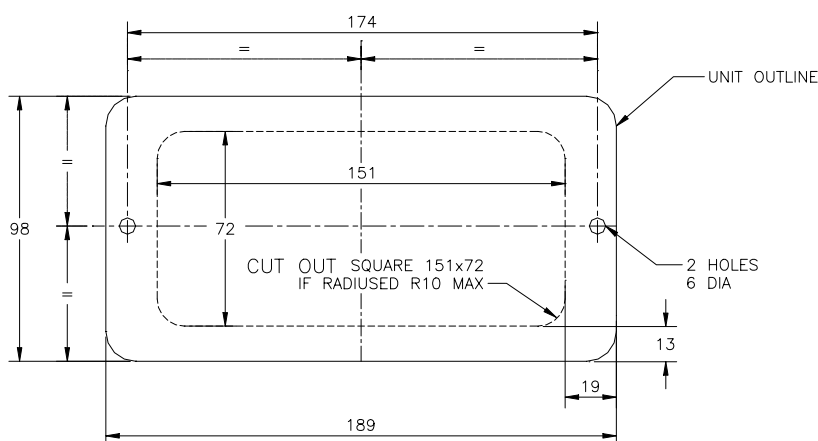
Weights and Measures Approvals

EC Type Approval Certificate No T6034 issued by the NMI

Other Approvals

Meets all the requirements of the pertinent New Approach EC Directives for CE marking

INSTALLATION DETAILS (EP20-100 AND EP20-101)



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

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