

Weight controller EP 50 proweigher



The EP50 weight controller has the power to control complete areas of plant around the batching process, belt weigher and Loss in Weight.

The EP50 incorporates the very latest customised microelectronics to ensure the highest weighing accuracy, combined with the power required to perform complex process control without requiring special remote programming tools.

The EP50 can be used as a stand-alone process batch controller, bag filler or even as a trip amplifier. The unit incorporates user-definable, bi-directional serial ports with choice of protocols as standard, and so can easily become part of a distributed control system.

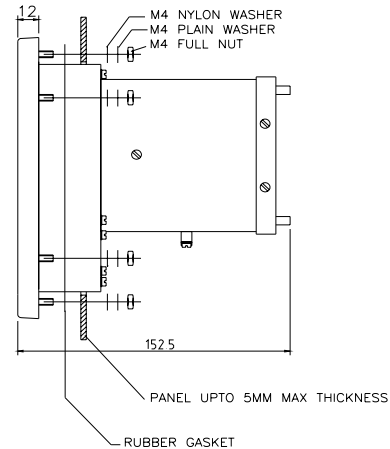
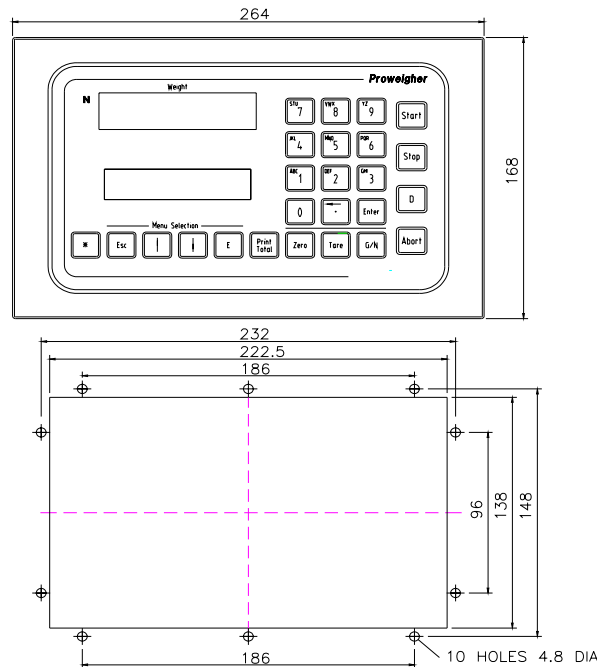
- Full process belt weigher and belt feeder control
- User friendly calibration – static and dynamic
- Full optical isolation as standard for all I/O
- 2 programmable serial interfaces & protocols
- Integrated turnkey systems solutions that offer PLC network integration and industry standard SCADA

Technical specification

Mains Supply: 115/230 Vac + 10% - 15% @ 50/60Hz, 50VA nom.
 Primary Loadcell Input: Powers up to 6 x 350 ohm loadcells
 Loadcell excitation voltage : 10 Vdc, 180 mA
 Accuracy: 4000 divisions OIML
 Optional Auxilliary Input: 4 x 350 loadcells, or 0 to 10V, 4 to 20mA
 A/D conversions: 18 bits (both inputs), Delta Sigma, 60 conversions/sec
 Serial interface port 1: RS232
 Serial interface port 2: RS232 or RS485 2 wire/4 wire (software configured)
 In-built digital Inputs: 4 x opto isolated 12 to 30Vdc (with wetting voltage)
 Standard outputs: 5 plus watchdog/open collector or relay option
 Optional additional I/O: Up to 31 relay outputs and 16 digital inputs
 Optional analog output: - 10V/ 4 – 20mA/ 0 – 20mA, 12 bit - isolated
 Primary Display: 5 digit LED 14.2 mm high
 Programming Display: Backlit dot matrix LCD display with LED backlighting
 Keyboard: Polycarbonate overlay with tactile keyswitches
 Environmental: Operating temperature range –10 to + 40 degrees C
 Sealing: IP65 (front panel only)
 Weight: 3.5 kg

Belt weigher control software

System Belt weigher / feeder
 Outputs: 4 level alarms, 8 level trips
 Outputs 4 process timers
 Outputs 8 sequence driven outputs
System 15 general purpose digital inputs
 Inputs: 1 fixed Tacho
 Inputs: 1 load cell input channel
 Inputs: 1 optional auxiliary channel
Control 4-20mA input setpoint or Modbus



Standard din size bezel

NB! Please note that due continuous product development, specifications can change without prior notice.

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