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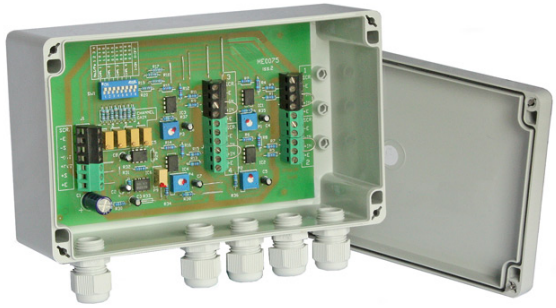
JBA

Load Cell Active Junction Box



The function of this strain gauge active junction box is to enable easy adjustment of strain gauge (output) manufacturing tolerances without any channel interaction to give a summated output

Introduction

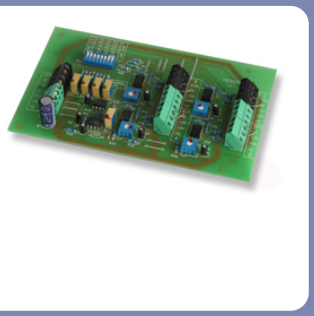
The load cell junction box (JBA) is an active summing junction box for up to four load cells.

The summing load cell junction box is an active summing junction circuit that accepts inputs from any strain gauge based sensor (load cell, force sensors, pressure sensor, torque sensor) and applies individual gain adjustment before combining them to provide a calibrated and summed output. Individual channel gains can be set up via DIL switches and preset potentiometers to allow for 2, 3 or 4 strain gauges

For a simple summing circuit with no trimming and no corner compensation, use the Passive Load Cell Junction board, (JPP) and for fault monitoring and fault detection alarm features, use the Load Cell Junction Box with Fault Monitoring, (LCI).

Specification at a Glance

- Sums the outputs from up to 4 x 350 -1000 Ohm strain gauge load cells
- No interaction between offset and gain
- No interaction between channels during calibration
- Wide input range - from 0.5 to 20 mV/V
- Enclosure options are ABS, die caste, aluminium, stainless steel sealed to IP65 / NEMA 4



User Benefits

- Individual gain adjustment provided for each channel
- Simplifies installation of multi-cell platforms, silos, tanks and hopper weighing systems
- Supplied as 100 x 164 mm PCB only

Ideal Applications

- Agriculture
- Silo & Weighing Industry

Related Product

ADW15
Weighing indicator with analogue, data and relay outputs

SMW
Weighing indicator and weight controller

CE & Environmental

CE Environmental Approvals	
European EMC Directive	2004/108/EC
IP Rating	IP65 / NEMA 4

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