



SJB SERIES

SMART LOAD CELL J-BOX

Cardinal's SJB Series of Smart Junction Boxes brings many of the advantages of digital load cell technology to standard analog load cells. By digitizing the output from each load cell at the scale, the Smart Junction Box is able to transmit the weight data digitally from the scale to the indicator using fiber optic technology. The weight indicating instrument uses SmartCal[®] software to track changes in the load cells' outputs enabling it to detect potential problems before they become serious. SmartCal[®] not only makes diagnostics a breeze, it makes calibration of the scale painless as well. Using a special software algorithm (patent pending), SmartCal[®] is able to compensate for differences in load cell output with the application of the test load to the cell just ONCE! There are no potentiometers to turn, no jumpers to select, no confusing adjustments to make; just place the test load once over each cell and SmartCal[®] does the rest. Just look at the Smart Junction Box specifications and see why it's been called the scale technician's best friend.

Construction: stainless steel NEMA 4X/IP66	Waterproof and corrosion resistant makes the SJB the right choice.
Number of Load Cells: up to 6 per box up to 32 per system	Enough flexibility to work in most any application.
Number of Scales: up to 16 scales per system	You can use SJB technology with more than one scale!
Fiber Optic Interface: plastic, standard glass, optional	Optical interfaces are immune to voltage transients!
Transmission Distance: 150', plastic 5,000', glass	Pick the cable type right for your application.
Excitation Voltage: 15 VDC	Standard excitation voltage
Sensitivity: 30 nV/V/d	Plenty of sensitivity for most any application.
Temperature Range: -20 to +140° F	Internal thermostatically-controlled heater eliminates condensation and keeps J box at proper temperature in cold environments.
Weight Indicator: Model 778	Programmable and expandable for your special requirements.

Diagnostics: real time

Shows real time display of each loa cell output and identifies those cells which are or may become defective.

Calibration: SmartCal[®]

Automatic trim compensation using proprietary software algorithm (patent pending); no manual adjustments of any kind.

Service: plug-in load cell input cards, comprehensive diagnostics

Easily replaced plug-in cards, screw terminals - no soldering required!

Support: factory-trained service personnel

Just a toll-free call away and ready to assist you to ensure your success.

Options: none

With the SJB Smart Junction Box, who needs options?



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