

SUMMING BOX/TRANSMITTER

4 TO 20 mA AND 0 TO 10 Vdc OUTPUTS

JBOX-4800

Summing Up to 4 Load Cells with Voltage or Current Output

JBOX-4800
\$902



- ✓ Complete Strain Gage Bridge Signal Conditioner
- ✓ High-Gain, Low-Drift Amplifier
- ✓ Wide Input Range from 5 to 50 mV Full Scale
- ✓ 80% Tare Offset
- ✓ 3-Way Isolation
- ✓ NEMA 4 (IP65) Enclosure
- ✓ High/Low Setpoint-Ready User Plug-In Relays

The JBOX-4800 is an AC- or DC-powered summing transmitter for up to 4 load cells, with user-selectable output options of 0 to 20 mA, 4 to 20 mA, 0 to 10 Vdc, or 2 to 10 Vdc. It has a built-in excitation supply capable of delivering up to 120 mA from 5 Vdc to 10 Vdc. Three-way isolation is standard: input to output and power. Designed with industrial weighing applications in mind, this J-box has a large tare offset (80% of a 3 mV signal @ 10V excitation). The board is wired and socketed for high and low setpoint/alarms. To activate them, the user buys the relays and plugs them in.

SPECIFICATIONS

Accuracy: $\leq \pm 0.1\%$

Temperature Range:
10 to 35°C (50 to 95°F)

Total Temperature Coefficient:
0.0025%/°C typical

Isolation (AC or DC, 3-Way):

AC to Input or Output: 750 Vac

DC to Input or Output: 300 Vdc/500 pf



JBOX-4800, \$902, shown smaller than actual size.

Amplifier:

Input Range: 5 to 50 mV FS

Linearity: ± 0.01 FS

Temp Coeff.: 0.0015%/°C typical

Input Noise: 0.1 to 10 Hz, 2 mV p-p

Tare Adjustment (3 Ranges):

-3 to 6.5 mV, 6.5 to 16 mV, 16 to 25 mV

Common-Mode Rejection Ratio: 100 dB

Common-Mode Input Voltage: 5 Vdc

Test Output Signal: Adds 8 mA or 4V to signal

Loop Resistance (Current Output):
0 to 1000 Ω

Maximum Current Load (Voltage Output): 5 mA

Frequency Response: -3 dB @ 10 Hz

Response Time: 35 ms (10 to 90%)

Bridge Supply: 5 to 10 Vdc @ 120 mA

Line Regulation: $< 0.01\%$ typical
0.002%

Output Noise: < 1 mVrms
120 Hz bandwidth

AC Power: 115V (90 to 130V),
230V (180 to 260V)

DC Power: 11 to 30V, 8 W

Weight: 4.7 kg (10.5 lb)

Dimensions:

NEMA 4 (IP65) Box:
254 L x 203 W x 102 mm H
(10 x 8 x 4")

Total: 318 x 229 x 112 mm
(12.5 x 9 x 4.4")

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
JBOX-4800	\$902	4-input summing transmitter

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure

Ordering Example: JBOX-4800, AC/DC-powered summing transmitter, \$902.



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