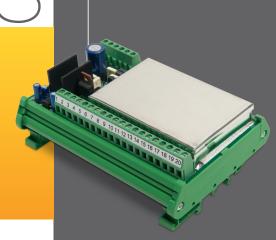


Multi Channel Analog Transmitter

IF-BSC

The JF-B Series is an efficient, compact, multichannel transmitter with selectable ranges and field adjustment capabilities. The JF-B Series features integrated summing for up to four load cells.



Key Features

- Integrated Summing for up to Four Load Cells/Transducers
- Selectable Input Ranges From 0-3 to 0-30 mV
- Pre-Set Output Formats of 0-5 or 0-10 VDC or 4-20 mA
- Field Course and Fine Tune Adjustment of Span and Zero Offset Parameters
- 10 VDC Bridge Excitation
- Powers up to Four 350 Ohm Bridge Load Cells/Transducers
- Drives up to 500 Ohm Loop Resistance

Other Features

- High Performance Precision Amplifier
- Adjustable Analog Filter for Optimum Signal Stability
- **CE** Conformity
- **DIN Rail Mount**
- Designed for use in "Electrically Noisy" Industrial Environments
- Easy Setup and Calibration
- NEMA 4/4X (IP66) And Explosion-Proof Housings are Available
- Power LED
- Optional Din Rail Mount Power Supply (Model KF3)
- One Year Warranty



KF3 POWER SUPPLY





SENTRAN, LLC 4355 LOWELL STREET, ONTARIO, CA 91761, U.S.A. **888-545-8988** T: 909-605-1544 FAX: 909-605-6305 www.sentranlic.com

For more information call 1-888-545-8988

APPLICATIONS

- Strain Gage Measurements
 - > Load Cells
 - Force Transducers
 - > Torque Transducers
 - Pressure Transducers
- Interface To PLC/DCS
- Process Control
- Weighing Systems
- Level Monitoring and Control
- Cost Effective OEM/VAR Solutions

JFB Series Specifications





OPERATOR INTERFACE

Calibration Method: Two-Point; Zero and span; Fine tuning potentiometers

Range Selection: Dip switch selectable; 0-3 to 0-30 mV

Wiring Connections: 20-position screw terminal strip for power, Load cells I/O and analog output

INPUTS/OUTPUTS

Input Compatibility: Strain gage; Up to (4) four 350 ohm full bridge transducers.

Output Formats: Voltage: 0-5 or 0-10VDC; 2K ohm minimum load Current: 0-20 or 4-20 mA; 500 ohm maximum load

FUNCTIONAL PARAMETERS

Linearity: Better than or equal to 0.2% full scale (FS)

Measurement Response Rate: 70ms typical

Span Range @ Full Scale: Dip switch selectable; 0-3 to 0-30 mV

Span Adjustment: Course and fine adjustments
Zero Offset: Course and fine adjustments

Bridge Excitation Voltage: 10 VDC Excitation Current Rating: 200 mA

Low Pass Filter: Time constant adjustable from 0.1 to 1.5 seconds via trim potentiometer

Common Mode Rejection: 100dB (minimum) Power (Standard): 24 VDC \pm 15%

Power (Optional): 115/230 VAC ±10% @ 50/60Hz; DIN rail mountable power supply Model KF3

Power Consumption: 6 Watts

ENVIRONMENTAL

Operating Temperature Range: -10° To $+40^{\circ}$ C / 14° F To 104° F Storage Temperature Range: -20° To $+50^{\circ}$ C / -4° F To 122° F

Temperature Stability: Better than 20ppm/°C

Humidity Range: 0 To 85% RH; Non-condensing

CE Conformity: EN50081-1 e

Construction: Thermal-form ABS plastic chassis; Metal-jacketed signal processing section

Dimensions: 5.3" (135mm) long X 3.6" (91mm) wide X 2.7" (66mm) deep

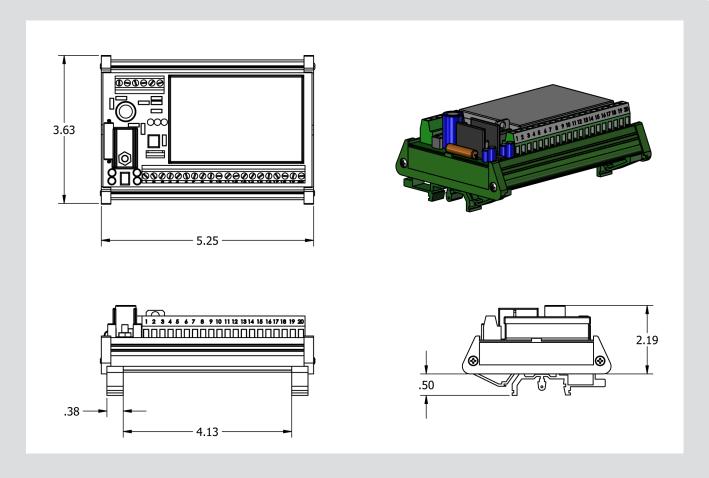
Weight: 8 ounces (0.23kg)
Warranty: One year; Limited

OPTIONS

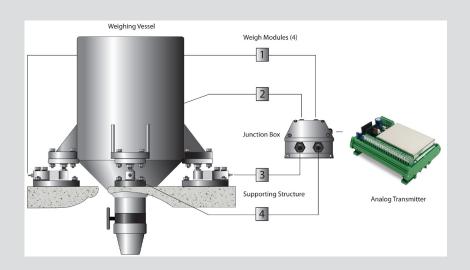
Power Supply Module: Model KF3; 115/230 VAC $\pm 10\%$ (50/60Hz); DIN rail mountable Single Channel Transmitter: Model JF3; Supports up to (4) four summed load cell inputs

Enclosures: NEMA 4/4X; Reinforced fiberglass, Powder-coated steel and stainless steel; Explosion-proof





Typical Weighing System



Legal Disclaimer



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