



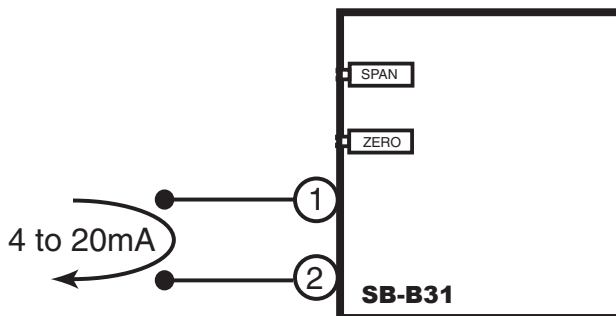
SB-B31

4 to 20mA Loop Powered 31 Segment Bargraph in a 1/16 DIN Case

General Features

- Elegantly simple 4 to 20mA loop powered bargraph.
- Low loop drop of only 4V.
- Needs no external power supply.
- Choice of red, green or red/green color options.
- Easy to calibrate with ZERO and SPAN potentiometers.
- Customized faceplates available.
- Compact short depth 96 X 24mm case.
- Can be stacked for multiple meter mounting.

Typical Application Connections



Compatibility

The SB-B31 bargraph has a matching DIN case style that is complementary to the Lynx, Leopard and Tiger family of meters. The SB-B31 is the economical solution for displaying 4 to 20mA current loops on a bargraph display.



Specifications

Input Configuration:Single ended

Full Scale Range:4 to 20mA to read 0 to full scale

Input Impedance:Approximately 200Ω
Maximum 4V loop drop at 20mA input

A/D Converter:Flash converter

Accuracy:1% of full scale

Temperature Coefficient: ...200ppm/°C (typical)

Warm Up Time:Instantly reads to specified accuracy

Conversion Rate:Instantaneous flash conversion

Display:Thirty-one 0.20" X 0.06" (5.08mm X 1.52mm) bar segments

Over-range Indication:All bars flash

Power Supply:Powered from 4 to 20mA signal

Operating Temperature: ...-10°C to 60°C

Storage Temperature:-20°C to +70°C

Relative Humidity:95% (non condensing)

Case Dimensions:Bezel: 24X96 mm (0.95" X 3.78")
Depth behind bezel: 56.5 mm (2.23")
Plus 27 mm (1.06") for Push-on connector
or plus 17.5 mm (0.69") for Edge connector

Weight:90.72 gms (3.2 oz)
136.1 gms (4.8 oz) when packed

Other Signal Powered Meters

CM-35XT3.5 digit LCD, Loop Powered, 4-20mA (1.0.0.0.0)

CM-35XTL3.5 digit LCD, 1 Volt Drop, Loop Powered, 4-20mA (1.0.0.0.0)

SD-50X5 Digit 4-20 mA Loop Powered

SD-50XTOTLoop Powered Totalizer

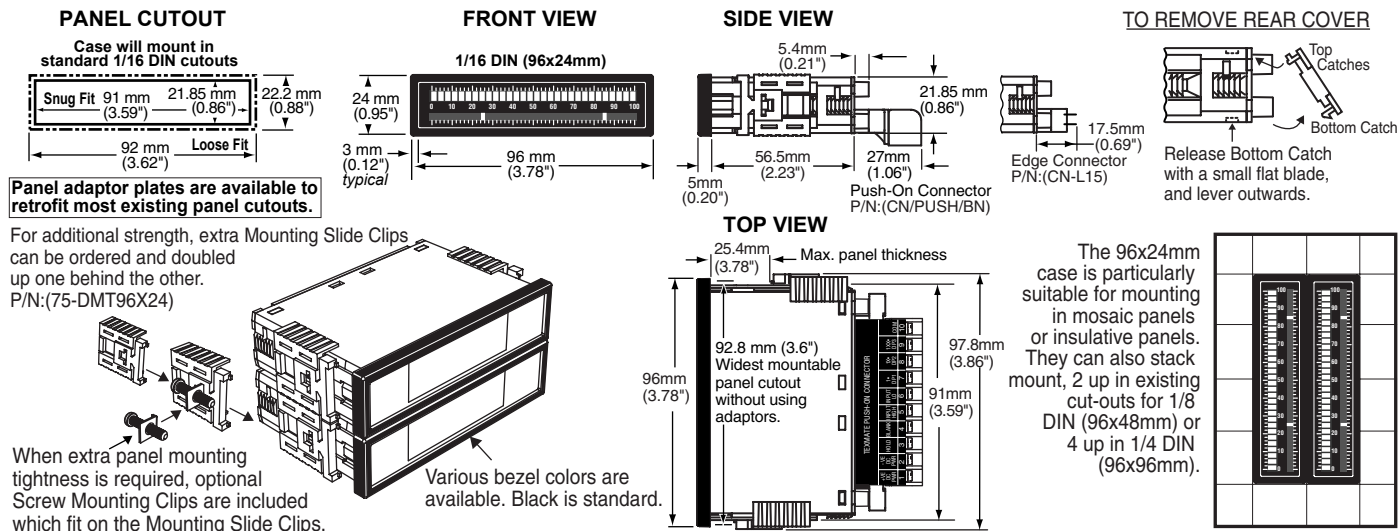
SD-50XTOTSQLoop Powered Totalizer with Square Root Function

SP-35X3.5 digit LCD, Signal Powered by DC voltage

SP-35XMV3.5 digit LCD DCMV Input, 10-100VDC or 18-36VAC Pwr

SP-35XRMS3.5 digit LCD, VAC RMS Signal Pwr, 15.0-199.9VAC/DC

Case Dimensions and Panel Cutouts



Ordering Information

Standard Options for this Model Number

Part Number . . .Description

► BASIC MODEL NUMBER

SB-B31Red 31 Seg. Bargraph, 4-20mA Loop Powered

► DISPLAY

SB-VERT/RED .Vertical Red (standard)

SB-HORZ/RED . . .Horizontal Red LED option

SB-VERT/GRN . . .Vertical Green LED option

SB-HORZ/GRN . . .Horizontal Green LED option

SB-MULTIRed, green or amber LEDs (10 seg. increments)

Special Options and Accessories

Part Number . . .Description

► ACCESSORIES

75-DMTC96X24 . . .Side Slide Brackets, extra set (96x24mm only)

75-DBBZ96X24 . . .Black Bezel for 96x24mm Case, BN and AM series

DN.CAS96X24 . . .Din Case 96 X 24 Short Depth Plus Accessories

93-PLUG2P-DP . . .Extra Screw Terminal Conn., 2 Pin Power Plug

OP-MTLCLIPScrew Mounting Clips (2 pc) to screw tighten slide brackets

75-DTP96X24Black Metal Trim Plate (96x24mm Case) 1 Meter

75-DTP2X9624Black Metal Trim Plate (96x24mm Case) 2 Meters

75-DTP3X9624Black Metal Trim Plate (96x24mm Case) 3 Meters

Prices subject to change without notice.

WARRANTY

Texmate warrants that its products are free from defects in material and workmanship under normal use and service for a period of one year from date of shipment. Texmate's obligations under this warranty are limited to replacement or repair, at its option, at its factory, of any of the products which shall, within the applicable period after shipment, be returned to Texmate's facility, transportation charges pre-paid, and which are, after examination, disclosed to the satisfaction of Texmate to be thus defective. The warranty shall not apply to any equipment which shall have been repaired or altered, except by Texmate, or which shall have been subjected to misuse, negligence, or accident. In no case shall Texmate's liability exceed the original purchase price. The aforementioned provisions do not extend the original warranty period of any product which has been either repaired or replaced by Texmate.

USER'S RESPONSIBILITY

We are pleased to offer suggestions on the use of our various products either by way of printed matter or through direct contact with our sales/application engineering staff. However, since we have no control over the use of our products once they are shipped, NO WARRANTY WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE is made beyond the repair, replacement, or refund of purchase price at the sole discretion of Texmate. Users shall determine the suitability of the product for the intended application before using, and the users assume all risk and liability whatsoever in connection therewith, regardless of any of our suggestions or statements as to application or construction. In no event shall Texmate's liability, in law or otherwise, be in excess of the purchase price of the product.

Texmate cannot assume responsibility for any circuitry described. No circuit patent or software licenses are implied. Texmate reserves the right to change circuitry, operating software, specifications, and prices without notice at any time.