

BEST b

## **BL Flat Packs Big Little Digital Panel Meters**





Backlighting Options

Non-Backlit LCD Black on Grey Background

MODUTEC

The MODUTEC BL Digital panel meter gives you all the functionality you need with none of the extras you don't need. That means simplicity, easy readability, small footprint, and a low cost.

- Ultra compact form factor with optional flat back design on BL-176 or BL-177
- Value priced
- Low power consumption

# The MODUTEC BL is easy-to-read and provides a variety of indicators — all in a compact unit.

- 3  $V_2$  digit readout, full scale 1999 display
- $\frac{1}{2}$ " high digits on a high contrast LCD
- Auto-polarity (-) displayed
- "LO-BAT" indication on 9VDC power units

### Ease of assembly is one of the BL's most valuable benefits.

- 13 pin connection or solder pad connections
- Easy to install bezel mount, order 00-907062-002 for bezel kit

# The BL offers a variety of flexible features to meet your unique applications needs.

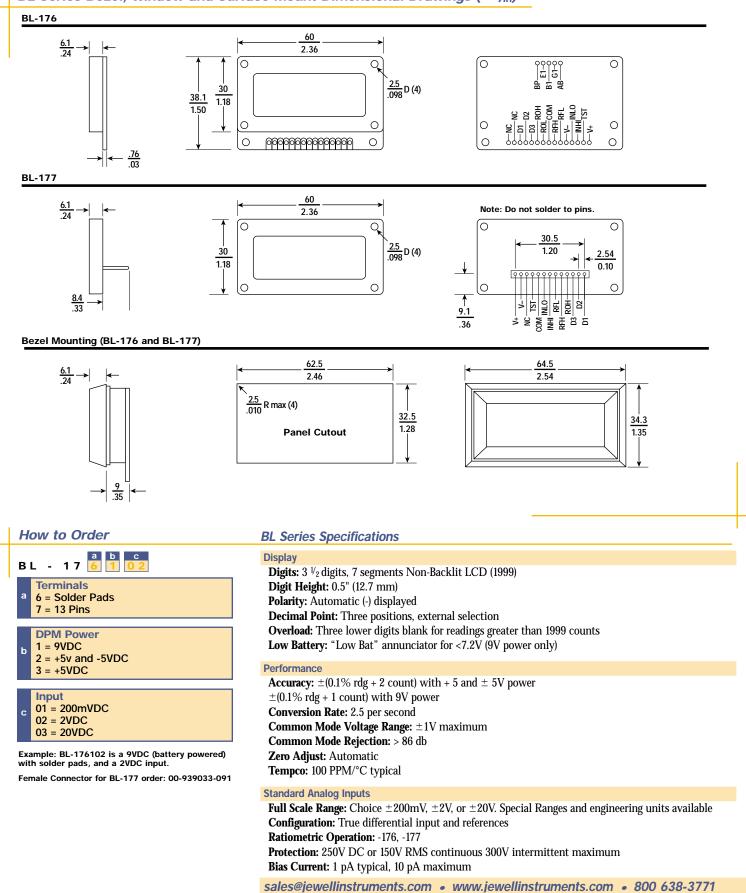
- User selectable decimal points
- Choice of  $\pm$  200mV,  $\pm$  2V or  $\pm$  20V input
- Choice of 9VDC, +5VDC; or ± 5 VDC power

## **Applications**

- Telecommunications
- Water Purification
- Sewage Treatment
- ► Flow
- Process
- Desalinization
- DC Amps
- DC Volts



### BL Series Bezel, Window and Surface Mount Dimensional Drawings (mm/in)



850 Perimeter Road • Manchester, NH 03103 • USA



### **BL Series Specifications (continued)**

nectors
connector pins, 0.025" square
connector pins, 0.025" square solder pads

#### Environment

**Operating<sup>2</sup>:** 0°C to +50°C

Storage: -20°C to 70°C

#### <sup>2</sup> Extended operating ranges available. Please consult factory.

#### **Connector Pin Designations**

V+, V-	Positive & negative connections for power supply
NC:	Not Connected
TST:	Return for +5V power
COM:	Internal reference voltage return. Input common for 9V units
IN HI, IN LO:	Signal inputs
RFL, RFH:	Differential reference inputs
ROH, ROL:	On board reference terminals. ROL on BL-176 only
D1, D2, D3:	Decimal point selection: Connect to V+ as follows:
	D1=X.XXX
	D2=XX.XX
	D3=XXX.X
BP, E1, B1, G1, AB:	Can be used for underrange and overrange signal for external auto ranging on the BL-176

Accessories and Options:

- Female connector for BL-100, -130, 177, -300, -330, -400, 430, -500, -530, -600, -630 series: Order 939099-091
- For display hold function add suffix "-H" to catalog number
- For coated board and solid front cover add suffix "-MI" to catalog number
- For special OEM requirements, other input ranges, wider operating temperature, or other features, contact factory.