ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

BMX-21/BMX-22

BMX-Series Bar-graph Indicators



Overview

The ASHE Model BMX-21 and BMX-22 are a range of compact, rugged and reliable indicating instruments which are specifically designed for accurate process measurement and control applications.

The Indicators accept an industrial standard current input signal of 4 to 20 mA DC and display the actual process value calibrated in the desired units, on a linear scale. The process value is displayed on two separate displays : one, a LED strip Bar-Graph display, and two, a 4-Digit seven-segment LED digital display module. The instrument is offered in single or dual channel options.

The instrument operates on a universal AC power supply of 90 to 270 V AC, 50/60 Hz and can be calibrated on any scale range from -999 to +9999 units. Two Relays are provided for each channel, which may be set for control action at any point in the scale range. If retransmission is required, then one relay is provided per channel.

The ASHE BMX-21 and BMX-22 Indicators are a versatile range of process measurement and control instruments offering various features like Bar graph indication, digital display, Relay control, Retransmission etc. They are an ideal substitute to conventional analog indicators because of their inherent accuracy in process control, besides other characteristics like total immunity to shocks, dust, ambient temperatures, humidity and corrosive atmospheres. Further, the instrument is manufactured using selected high-grade components which guarantee it's reliability and long operational life.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

Specifications

Model	ASHE BMX-21 (single channel) ASHE BMX-22 (dual channel).
Type	Single and Dual channel Analog signal indication on Bar-graph display and digital indication with control action and retransmission.
Input Signal	One/Two signals of 4 to 20 mA DC.
Displays	a. 100-segment LED Bar graph for % PV display of each input channel b. 4-digit, 0.39" seven-segment LED display for PV of each channel.
Bar-graph Display Type	100-segment LED bar-graph display.
Calibration	Bar-graph : 0 to 100%
Response Time	< 100 mS
Range	a. 0 to 100% linear for Bar-graph b.–999 to +9999 for digital display.
Linearity	± 0.1% of span.
Retransmission	4 to 20 mA DC (optional).
Load Driving Capacity	600 Ohms.
Accuracy	± 0.1% of FSD.
Polarity	Auto-sensing.
Control Output	Two relay changeover contacts per channel (One relay if retransmission required).
Contact Rating	10 Ampere @ 230 V AC (resistive loads).
Control Logic	High-Low (Configurable).
Alarm Indication	By LEDs on front panel.
Settings	Settings for Zero, Span, Relay set-points, Hysteresis, Control Logic, Decimal point.
Dimensions	80 x 160 x 150 mm. [W x H x D].
Execution	Front Panel mounting.
Power Supply	90 to 270 VAC, 50/60 Hz.
Weight	Approximately 0.5 Kgs.
Operating Temperature	0 to 55°C.

Features

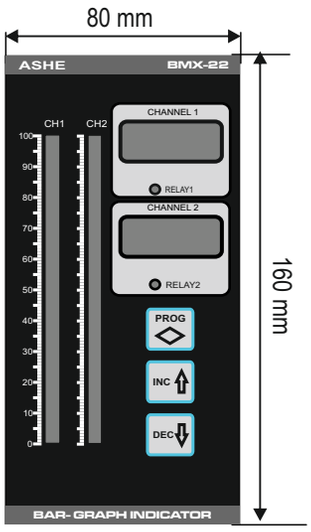
- Standard 4 to 20 mA DC current loop operation
- Dual process display – Bar graph and Digital seven-segment LED
- Dual units : process units and percentage
- Low Input impedance – negligible load on loop
- High accuracy and linearity to input signal
- 0 to 100% display on 100-segment LED bar-graph
- 4-digit LED seven-segment displays
- Very low power consumption and heat dissipation
- Dual control action per channel
- Auto-sensing polarity
- Selectable Decimal point
- Membrane keypad settings for calibration, set-points
- Rugged industrial grade ABS
- Panel mount enclosure with mounting bracket
- Two-year Performance Warranty
- Proven track record of successful site installations

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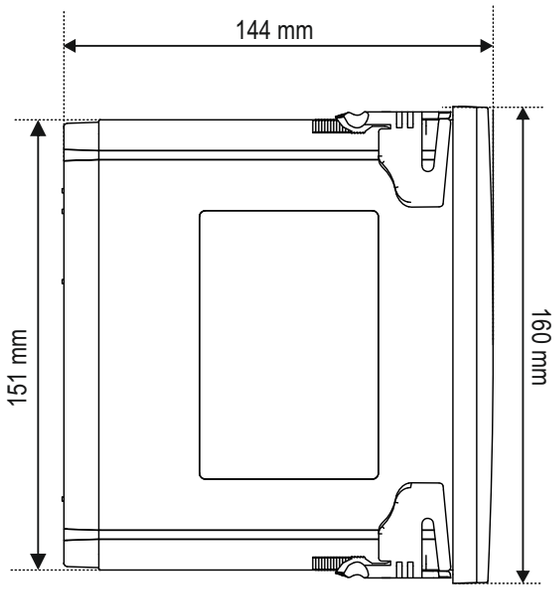
BMX-21/BMX-22

BMX-Series Bar-graph Indicators

Dimensional Diagram



FRONT VIEW



SIDE VIEW

How To Order

	BAR GRAPH INDICATOR	**BMX-2-**						
	Configuration and add-on options							
1	**CONTROL RELAY OUTPUT**							
▸	Dual channel, No relays		0					
▸	Single channel, Two relays		1					
▸	Dual channel, Four relays		2					
2	**POWER SUPPLY**							
▸	AC Voltage 90 to 270 VAC, 50/60 Hz			A				
3	**INPUT SIGNAL**							
▸	4 to 20 mA DC				L			
4	**RETRANSMISSION**							
▸	Retransmission Required					R		
▸	Retransmission Not Required					N		
5	**AUX 24 VDC OUTPUT**							
▸	Aux 24 VDC @100 mA output required						Q	
▸	Aux 24 VDC output not required						N	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

Designed and Manufactured by :
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