

LOOP POWERED LCD INDICATOR

MFX-408



SPECIFICATIONS

Model	ASHE MFX-408.
Type	Digital Loop Powered LCD Indicator.
Principle	Signal amplification and self powering.
Input Signal	4 to 20 mA DC.
Linearity	0.1%.
Calibration facility	By Three - Key Membrane Keypad
Accuracy	± 0.1%.
Indication	4-digit LCD display.
Display height	½”.
Forward voltage drop	2.2 Volts @ 20 mA.
Sensing resistance	6.00 Ohms.
Polarity	Auto-sensing.
Settings	Zero, Span, Decimal point.
Response Time	Typically 50 mSec.
Power Supply	Nil (Loop powered).
Calibration Range	To be specified.
Dimensions	120 x 80 x 85 mm. [H x W x D].
Execution	Field mounting.
Enclosure	Industrial grade Polyester.
Ingress protection	IP65.
Weight	Approximately 0.2 Kgs.
Operating Temperature	0 to 50 °C.

OVERVIEW

The ASHE Model MFX-408 Digital process Indicator is a compact, rugged and reliable indicating instrument which is specifically designed for accurate process measurement applications in areas without power availability.

The Indicator accepts an industrial standard current input signal of 4 to 20 mA DC and displays the actual process value calibrated in the desired units, on a linear scale. The process value is displayed on a 4- Digit seven-segment LCD digital display module. There is no necessity of any external Power Supply.

The instrument can be calibrated on any scale range from -9999 to +9999 units.

The Ashe MFX-408 Indicator is therefore an ideal single unit substitute to conventional analog indicators because of its inherent accuracy in process control, besides other superior characteristics like total immunity to Shocks, Dust, Ambient temperatures, Humidity and Corrosive atmospheres. Its main advantage is that it is completely current loop-driven, eliminating the requirement of any external power supply source and associated cabling.

Further, the instrument is manufactured using selected high-grade components which guarantee its reliability and long operational life. The unit also has no moving parts, which greatly enhances its versatility.

FEATURES

- No external power supply required.
- Standard 4 to 20 mA DC current loop powered operation
- Low Input impedance – negligible load on loop.
- High accuracy and linearity to input signal
- 3-½, 4 and 4-½ digit displays
- Very low power consumption and heat dissipation
- Low forward voltage drop
- Auto-sensing polarity
- Selectable Decimal point
- LCD / LED display
- Front accessible Zero and Span calibration
- Rugged, industrial grade Polycarbonate enclosure
- Compact and rugged execution
- Panel / Field / Hazardous-area installation options
- IP65 Ingress protection
- Current limiting for I/O protection
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship