

MPX-408 Loop Powered Indicators

OVERVIEW

The ASHE Model MPX-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 ½” seven-segment LED or LCD digital display. There is no necessity of any external Power Supply.

The instrument can be calibrated on any scale range from -999 to +9999 units.

The Ashe MPX-408 Indicator is therefore an ideal single unit substitute to conventional analog indicators because of it's inherent accuracy in process control, besides other superior characteristics like total immunity to Shocks, Dust, Ambient temperatures, Humidity and Corrosive atmospheres. It's unique feature 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 it's reliability and long operational life. The unit also has no moving parts, which greatly enhances it's versatility.



SPECIFICATIONS

Model	ASHE MPX-408.
Type	Digital Loop Powered Indicator.
Principle	Signal amplification and self powering.
Input Signal	4 to 20 mA DC.
Linearity	± 0.1%.
Calibration facility	Zero and Span settings [external].
Accuracy	± 0.1%.
Indication	4-digit LED or LCD display.
Display height	0.5”.
Forward voltage drop	5.3 Volts @ 20 mA.
Sensing resistance	10.00 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	48 x 96 x 75 mm. [HxWxD].
Execution	Panel mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.2 Kgs.
Operating Temperature	0 to 50°C.

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
- 4-digit LED or LCD displays
- Very low power consumption and heat dissipation
- Low forward voltage drop
- Auto-sensing of polarity
- Selectable Decimal point
- Front accessible Zero and Span calibration by keyboard
- Compact and rugged industrial grade ABS enclosure
- Panel / Field / Hazardous-area installation options.
- Available in several dimensions
- Negligible load on current loop
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship