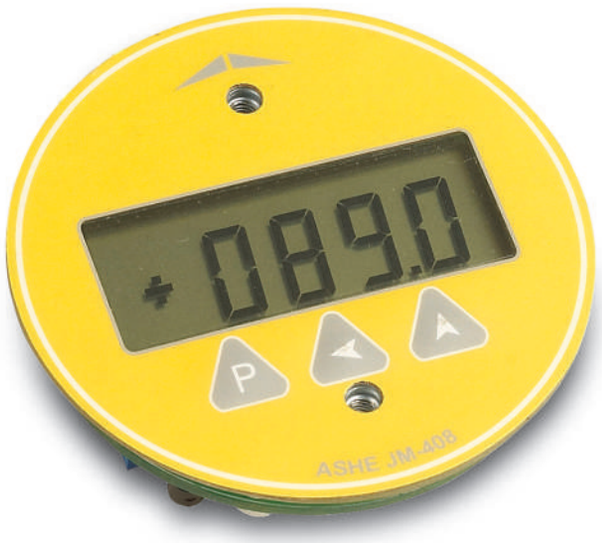
ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

JM-Series

JM-408 Loop Powered Indicator Module



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Overview

The ASHE Model JM-408 Digital Loop Powered Indicator is a compact, rugged and reliable indicating instrument which is specifically designed for accurate process measurement applications.

The microcontroller based 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 LED or LCD digital display module. 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 JM-408 Indicator Module 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.

Specifications

Model	ASHE JM-408 Module
Type	Microcontroller based Digital Loop Powered Indicator Module.
Principle	Signal amplification and powering.
Input Signal	4 to 20 mA DC.
Linearity	± 0.1%.
Calibration facility	Zero and Span settings by membrane keypad.
Accuracy	± 0.1%.
Indication	4-digit LCD / LED display.
Display height	0.5".
Forward voltage drop	5.5 Volts @ 20 mA.
Sensing resistance	6.00 Ohms.
Polarity	Auto-sensing.
Settings	Zero, Span, Decimal point.
Response Time	Typically 75 mSec.
Power Supply	Nil (Loop powered).
Calibration Range	To be specified.
Dimensions	66 mm dia x 20 mm thickness
Execution	Open OEM Module execution can be offered in weatherproof or flameproof executions
Weight	Approximately 0.3 Kgs.
Operating Temperature	0 to 50^{0}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 displays
- Negligible power consumption and heat dissipation
- Low forward voltage drop
- Auto polarity sensing
- Selectable Decimal point
- LCD / LED display
- Front accessible Zero and Span calibration by membrane keypad
- Compact and rugged execution
- Hazardous-area installation option for IIA/IIB in IP66 execution
- Available in several dimensions
- Current limiting for I/O protection
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship