

JM-Series Loop Powered LCD & LED Indicators in Flame-Proof Execution
(SS Enclosure)



PESO
CERTIFIED



OVERVIEW

The ASHE Model JM-408-S Digital Loop Powered Indicator is an Intrinsically Safe certified, compact, rugged and reliable indicating instrument which is 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 LCD digital display module, or a 4 digit LED 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-S Indicator has an easy setup procedure and inherent accuracy in process measurement, besides other superior characteristics like immunity to Shocks, Dust, Ambient temperatures, Humidity and Corrosive atmospheres. It's main advantage is that it is completely current loop-driven, eliminating the requirement of any external power supply source and associated cabling.

The instrument is manufactured using selected high-grade components which guarantee its reliability and long operational life and offered in an IP66 certified Stainless Steel enclosure in wall/pipe mount execution and is suitable for use in hazardous areas for Gas group IIA, IIB & IIC. The enclosure has provision for three cable entries.

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



SPECIFICATIONS

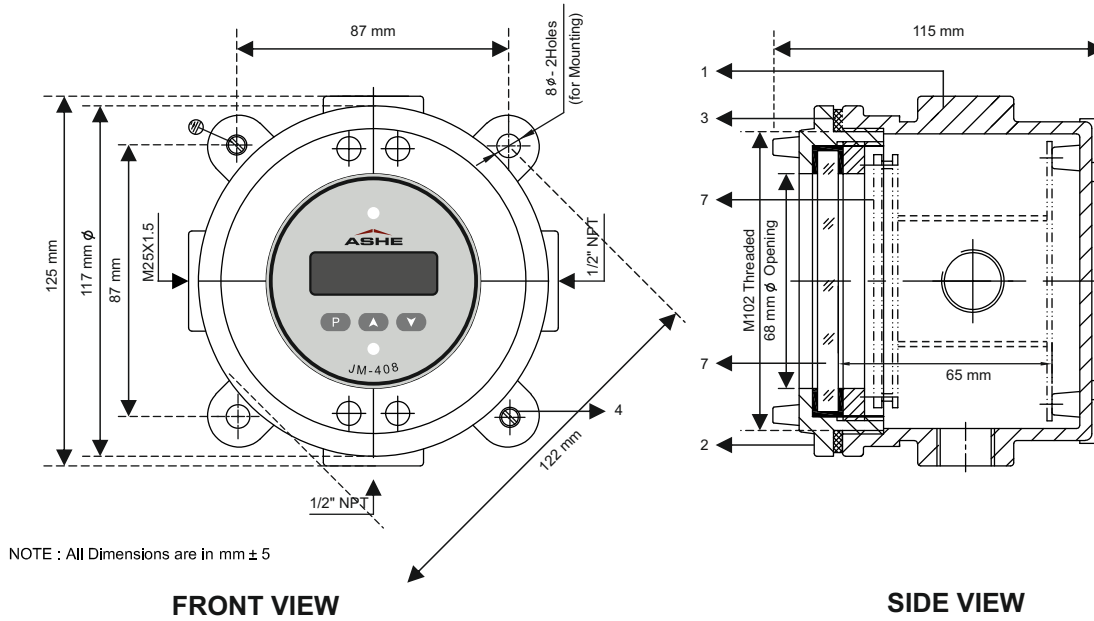
Model	ASHE JM-408-S.
Type	Microcontroller based Intrinsically Safe Digital Loop Powered Indicator in Flame-Proof Execution.
Principle	Signal amplification and powering.
Input Signal	4 to 20 mA DC.
Linearity	± 0.1%.
Accuracy	± 0.1%.
Indication	4-digit LCD display or LED display.
Display Height	0.5" (LCD) / 0.4" (LED)
Forward Voltage Drop	4.6 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	Configurable.
Enclosure	Flame-proof Ex-d and PESO certified, Stainless Steel SS316 Die-cast enclosure suitable for installation in Hazardous Areas for Gas Groups IIA/IIB & IIC, T6, Zones 1 & 2 areas.
Ingress Protection	IP66 certified.
Execution	Field/Wall mounting.
Weight	Approximately 3.5 Kgs.
Dimensions	125 x 125 x 115 mm [H x W x D].
Cable Entries	M25x1.5 (1) and 1/2" NPT (2)
Operating Temperature	0 to 55°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
- Very low power consumption and heat dissipation
- Low forward voltage drop
- PESO certified enclosure
- Intrinsically Safe Ex-I certified design
- Auto-sensing polarity
- Selectable Decimal point
- 0.5" LCD display / 0.4" LED display option
- Front accessible Zero and Span calibration on membrane keypad
- Rugged, industrial grade Stainless Steel enclosure
- Flame proof Ex-d certified enclosure
- Hazardous-area installation for IIA/IIB & IIC in IP66 execution
- Available in several optional executions
- Current limiting for I/O protection
- Two-year Performance Warranty
- Proven track record of successful site installations

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DIMENSIONAL DIAGRAM



HOW TO ORDER

LOOP POWERED INDICATOR	JM-408			
Configuration and add-on options				
1 DISPLAY INDICATION				
▶ 4 digit LCD display			C	
▶ 4 digit LED display			E	
2 EXECUTION				
▶ Module				M
▶ Front panel mounting				P
▶ Field mounting in Weather-proof execution				W
▶ Field mounting in Flame/Explosion-proof Ex-d execution (Gr IIA/IIB)				X
▶ Field mounting in Flame/Explosion-proof Ex-d execution (Gr IIC)				S
3 ACCESSORIES (for flameproof model only)				
▶ With Mounting Accessories kit				A
▶ Without Mounting Accessories kit				N

OUR OTHER PRODUCTS



FLOW TOTALIZER



SIGNAL ISOLATORS & TRANSDUCERS



TEMPERATURE SCANNER



FLAMEPROOF INSTRUMENTS



STATIC POWER SWITCHES