

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

PESO
CERTIFIED



OVERVIEW

The ASHE JM-408 Digital process 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 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 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 it's reliability and long operational life.

The instrument is offered in a IP66 certified enclosure in wall/pipe mount execution. The enclosure has provision for three cable entries.



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SPECIFICATIONS

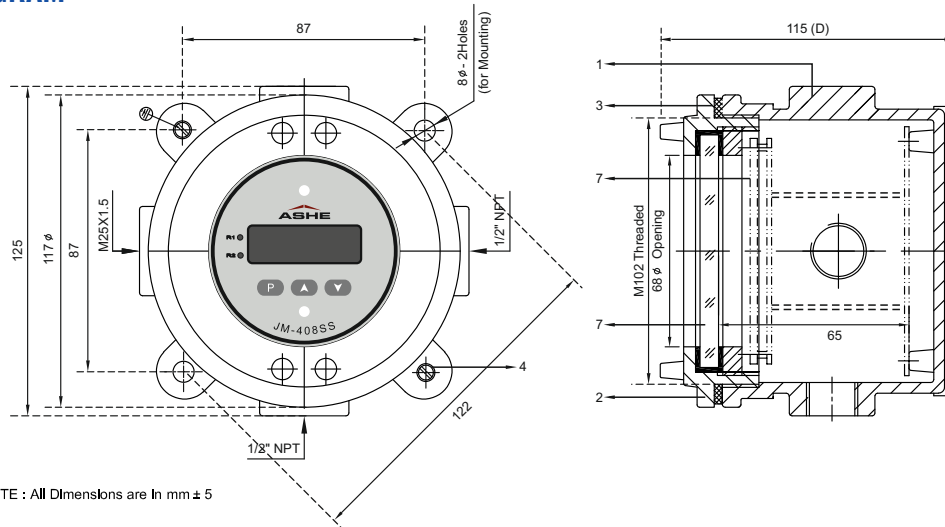
Model	ASHE JM-408S.
Type	Microcontroller based Intrinsically Safe Digital Loop Powered Indicator.
Principle	Signal amplification and powering.
Input Signal	4 to 20 mA DC.
Linearity	± 0.1%.
Accuracy	± 0.1%.
Indication	4-digit LCD display or LED display.
Display height	0.5" (LCD) / 0.4" (LED)
Forward voltage 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-chamber enclosure suitable for installation in Hazardous Area for Gas Groups IIA/IIB & IIC, T6, Zones 1 & 2 areas.
Ingress Protection	IP66 certified as per IS/IEC 60529:2001.
Execution	Field/Wall mounting.
Weight	Approximately 3.5 Kgs.
Dimensions	125 x 125 x 115 mm [H x W x D].
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 (CCOE) certified
- Intrinsically Safe Exi 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 Aluminum Alloy LM6 enclosure
- Compact and rugged execution
- Flame proof Ex-d certified enclosure
- Hazardous-area installation for IIA/IIB & IIC in IP66 execution
- Available in several dimensions
- Current limiting for I/O protection
- Proven record of several thousand installations

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DIMENSIONAL DIAGRAM



NOTE : All Dimensions are In mm ± 5

How To Order

LOOP POWERED LCD & LED INDICATORS	JM-408			
Configuration and add-on options				
1 DISPLAY INDICATION				
▶ 4 digit LCD display		C		
▶ 4 digit LED display		E		
2 EXECUTION				
▶ Module				M
▶ Field mounting in Weather-proof execution (Polycarbonate enclosure, IP66 Ingress protection)				W
▶ Field mounting in Flame/Explosion-proof Ex-d execution (Cast Aluminum Alloy LM6 enclosure, IP66 Ingress Protection for Gas groups IIA, IIB)				X
▶ Field mounting in Flame/Explosion-proof Ex-d execution (Stainless Steel SS316 enclosure, IP66 Ingress Protection for gas groups IIA, IIB & IIC)				S
3 ACCESSORIES				
▶ With Mounting Accessory kit				B
▶ Without Mounting Accessory kit				X

OUR OTHER PRODUCTS



FLOW TOTALIZER



SIGNAL ISOLATORS & TRANSDUCERS



TEMPERATURE SCANNER



FLAMEPROOF INSTRUMENTS



STATIC POWER SWITCHES



Designed and Manufactured by :

ASHE CONTROLS PRIVATE LIMITED

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