

Loop Powered Indicator in Weatherproof Execution

OVERVIEW

The ASHE Model JM-408W Digital process Indicator is a compact, rough and reliable indicating instrument which is specifically designed for accurate process measurement in weatherproof 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/LED 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-408W Indicator is therefore an ideal single unit substitute to conventional analog indicators because of its inherent accuracy in process measurement, besides other superior characteristics like total immunity to Shocks, Dust, Ambient temperatures, Humidity and Corrosive atmospheres. Its unique feature is that it is completely current loop-driven, eliminating the requirement of any external power supply source and associated cabling.

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

The instrument is manufactured using selected high-grade components which guarantee its reliability and long operational life.



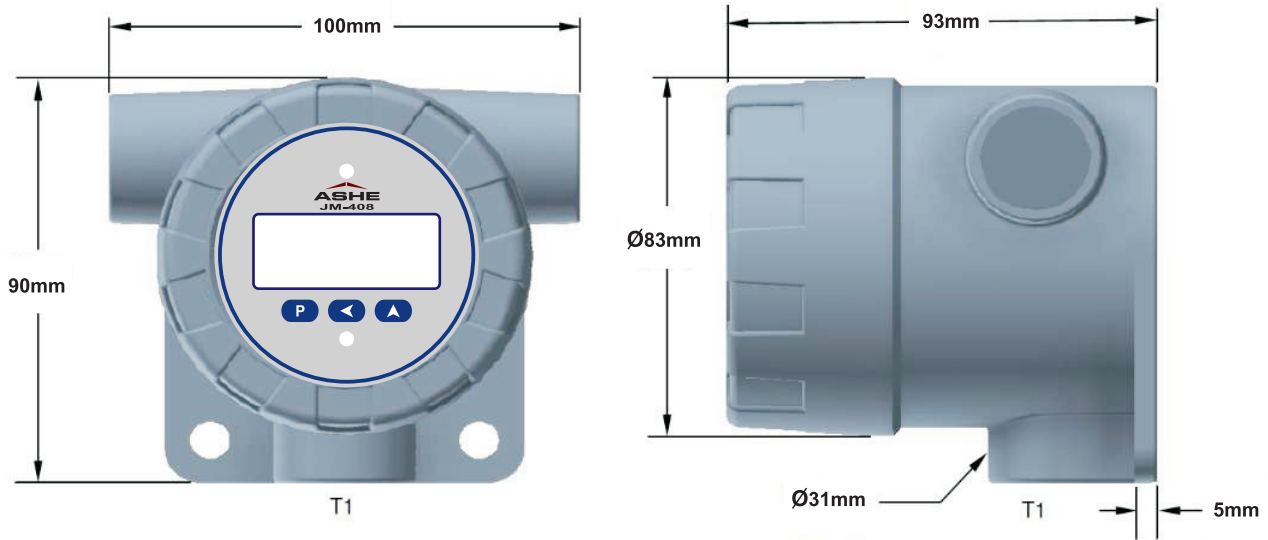
SPECIFICATIONS

Model	ASHE JM-408W.
Type	Digital Loop Powered Indicator in weatherproof execution.
Principle	Signal amplification and indication.
Input Signal	4 to 20 mA DC.
Linearity	± 0.1%.
Scale Range	-999 to +9999
Calibration Facility	Zero and Span settings [external].
Accuracy	± 0.1%.
Indication	4-digit LCD/LED display.
Display Height	0.5" (LCD), 0.4" (LED)
Forward Voltage Drop	4.6 Volts @ 20 mA.
Sensing Resistance	10.00 Ohms.
Polarity	Auto-sensing.
Response Time	Typically 75 mSec.
Power Supply	Nil (Loop powered).
Calibration Range	Configurable from front keypad.
Dimensions	100 x 90 x 93 mm. [W x H x D].
Enclosure	Industrial grade Polycarbonate with safety glass window.
Weight	Approximately 0.5 Kgs.
Operating Temperature	0 to 55°C.
Ingress Protection	IP66 execution
Cable Entries	Three (1/2" NPT)
Execution	Wall / Pipe mounting

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 LCD/LED display
- Very low power consumption and heat dissipation
- Low forward voltage drop
- Auto-sensing polarity
- Selectable Decimal point
- 0.5" LCD display and 0.4" LED display
- Front accessible Zero and Span calibration on membrane keypad
- Industrial grade Polycarbonate enclosure
- IP66 execution
- Hazardous-area installation for IIA/IIB/IIC in IP66 execution (optional in another model)
- Available in several dimensions
- Current limiting for I/O protection
- Proven record of several thousand installations

DIMENSIONAL DIAGRAM



HOW TO ORDER

LOOP POWERED INDICATOR IN WEATHERPROOF EXECUTION	JM-408			
CONFIGURATION AND ADD-ON OPTIONS				
1 EXECUTION				
▶ Panel mounting execution		P		
▶ Field mounting in Weather-proof execution (Polycarbonate enclosure, IP66 protection)		W		
▶ Field mounting in Flame/Explosion-proof execution (Cast Aluminium Alloy LM6 enclosure, for Gas groups IIA, IIB, IIC)		EX		
2 DISPLAY INDICATION				
▶ 4 digit LCD display			C	
▶ 4 digit LED display			E	
3 ACCESSORIES				
▶ With 2" Pipe Mounting Bracket				B
▶ Without 2" Pipe Mounting Bracket				N

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Designed and Manufactured by :

ASHE CONTROLS PRIVATE LIMITED

6/317, 318 & 319, Jogani Industrial Complex, Near ATI, Sion-Trombay Road, Chunabhatti (East), Mumbai - 400 022, India.

Phone : (022) 2405 1561, 2405 5791, 2405 5543 • E-mail : sales@ashecontrols.com • Website: http://www.ashecontrols.com