

# TEMPERATURE INDICATOR

## IN WEATHERPROOF & FLAMEPROOF EXECUTION

### MTX-408



## OVERVIEW

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

The Indicator accepts an industrial standard RTD Pt-100 (3 wire) temperature sensor and displays the actual temperature value calibrated in the desired units, on a linear scale. The temperature is displayed on a 4-Digit seven-segment LED digital display module.

A two-wire temperature transmitter is built into the indicator, which converts the temperature reading into an accurate digital readout after linearizing the Sensor signal. A Power supply of 24VDC is required to power the temperature transmitter.

The instrument is calibrated for a temperature range of -50 to +500 Deg. C as per DIN 43760.

The Ashe MTX-408 Indicator is therefore an ideal single unit substitute to conventional analog indicators because of its inherent accuracy in temperature measurement besides other superior characteristics like total immunity to Shocks, Dust, Ambient temperatures, Humidity and Corrosive atmospheres. The design is compact and rugged and offered in a IP65 Certified flameproof and weatherproof enclosure.

Further, the instrument is manufactured using selected high-grade components which guarantee its reliability and long operational life. The unit also has no moving parts, which greatly enhances its versatility.

## SPECIFICATIONS

<b>Model</b>	ASHE MTX-408.
<b>Type</b>	Digital temperature Indicator.
<b>Principle</b>	Signal amplification and conditioning.
<b>Input Signal</b>	RTD Pt-100 (3 wire)
<b>Linearity</b>	± 0.2%.
<b>Calibration facility</b>	Zero and Span settings [external].
<b>Accuracy</b>	± 0.1%.
<b>Indication</b>	4-digit red digital display.
<b>Display height</b>	0.4".
<b>System</b>	Two-wire
<b>Polarity</b>	Auto-sensing.
<b>Settings</b>	Zero, Span, Decimal point.
<b>Response Time</b>	Typically 75 mSec.
<b>Power Supply</b>	24 VDC
<b>Calibration Range</b>	-50 to +500°C.
<b>Dimensions</b>	110x105x100 mm. [W x H x D].
<b>Execution</b>	Field mounting in harsh or hazardous areas
<b>Enclosure</b>	Die-cast Al Alloy LM6 suitable for Gas groups IIA/IIB, Zones 1 & 2
<b>Ingress protection</b>	IP65.
<b>Weight</b>	Approximately 0.8 Kgs.
<b>Operating Temperature</b>	0 to 50 °C.

## FEATURES

- RTD Pt-100 Sensor input
- Two-wire temperature conversion
- 4 to 20 mA DC current loop powered operation
- Linearized temperature display
- High accuracy and linearity to input Sensor
- 4 digit red LED, Seven-segment displays
- Very low power consumption and heat dissipation
- Soft touch membrane keyboard
- Auto-sensing polarity
- Selectable Decimal point
- Dual-Chamber FLP enclosure
- Front accessible Zero and Span calibration
- Rugged, industrial grade die cast enclosure
- Compact and rugged execution
- Field / Hazardous-area installation in IP65 execution
- High quality industrial enclosure
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship