



MAX & VZ series Temperature Scanners

OVERVIEW

The ASHE MAX series Temperature Scanners are part of a range of fully configurable micro-controller based instruments with control outputs, offered in a highly compact, rugged and reliable execution. The instrument has six keys on the front panel, with which the operator can set the parameters and configure the instrument as desired. A two-digit display indicates the channel number, while a four-digit display indicates the corresponding temperature.

The instrument has non-volatile memory. The instrument accepts input from four / eight / sixteen nos. RTD Pt-100 or Thermocouple sensors, or 4-20 mA analog signal. The instrument is calibrated as specified.

The Temperature Scanner provides four control Relay outputs configurable to any of the input channels, providing alarm or trip set-points for any channel. The set points are configured through the Membrane Keypad on the front panel. The instrument operates on universal AC power supply and is offered in 1/4 DIN standard panel-mount execution.

The instrument has a MODBUS RTU output. The communication between instrument and computer can be done using RS-485 to RS-232 converter.

The temperature is factory calibrated to the desired operating range of the input sensor through the instrument software and may be changed, if specifically required. Other features include it's inherent accuracy and immunity to shocks, dust, ambient temperatures, and humidity. It is also available in field-mounting (weather-proof / explosion-proof executions) and standard panel mounting enclosures.

Further, the instrument is manufactured using selected high-grade components which guarantee it's functionality and long operational life. The instrument carries a performance warranty against defects in design and workmanship.

All ASHE range of instruments carry a lifetime warranty for design and workmanship.











SPECIFICATIONS

Display

Model VZ-72 (two channel, DIN Rail mount)

> MAX-4U (four-channel, panel mount) MAX-8U (eight-channel, panel mount) MAX-16U (sixteen-channel, panel mount)

Type Microcontroller based Multi-channel Temperature Scanner **Input Signal** RTD Pt-100 (three-wire), Thermocouple, Analog.

Seven-segment, red LED displays. Indications Four-digit display for Temperature Two-digit display for Channel number. **LED Indications**

Yellow LEDs for Channel faults & Alarm Four Red LEDs for Relay Status

Scale Range Fully configurable. Response time Typically 100 mS.

Output Four control relay changeover contacts - configurable to

selected channel

Contact rating 10 Ampere @ 230 V AC (Resistive Loads). Retransmission 4 to 20 mA DC [in MAX-4U only].

600 Ohms Load driving capacity

RS485 on MODBUS RTU (in select models). Communication

Non-Volatile (on EEPROM). Memory

Settings By Membrane Keypad on the front panel.

Features Scale calibration, Alarm/Trip, Channel Faults, Channel

Skip. Scan/Hold

± 0.2% FS. Accuracy

Power Supply 90 to 270 VAC, 50/60 Hz universal AC power.

Enclosure Panel mounting.

96 x 96 x 120 mm [W x H x D]. Dimensions

Cutout Dimensions 92 x 92 mm. Weight Approximately 1.0 kgs.

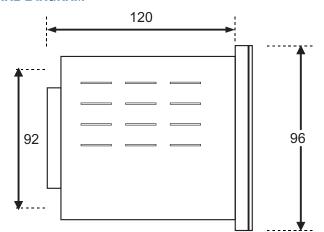
FEATURES

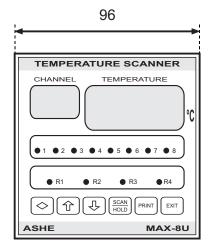
- Microcontroller based design.
- Several Temperature Sensors / Analog inputs
- Various channel options: 2/4/8/16
- High accuracy and linearity to input signal
- Dual 2/4-digit seven-segment LED displays
- Four Relay change-over contacts
- Very low power consumption and heat dissipation
- Fully configurable
- Retransmission option.
- Universal AC Power Supply
- RS485 MODBUS Communication
- On-Off control action options
- Rugged, industrial grade ABS enclosure
- High Noise immunity.
- Panel / Field / Hazardous-area installation in IP65 execution
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship



MAX & VZ Temperature Scanners

DIMENSIONAL DIAGRAM





How To Order

TEMPERATURE SCANNER					
Two-channel, DIN Rail Mount, 75x55x110 mm, Two control Relays	VZ-72				
Four-channel, Panel Mount, 96x96x110 mm, Four control Relays	MAX-4U				
Eight-channel, Panel Mount, 96x96x110 mm, Four control Relays	MAX-8U				
Sixteen-channel, Panel Mount, 96x96x110 mm, Four control Relays	MAX-16U				
POWER SUPPLY					
Standard Power Supply offered					
Universal AC, 90 to 270 V AC, 50/60 Hz.		V			
24 V DC (±10%).		D			
Other (to be specified).		Z			
EXECUTION					
Panel mounting [96 x 96 x 110 mm]				D	
(Extension Termination board for MAX-16U)					
Field mounting in Weather-proof execution				W	
(Polycarbonate enclosure, IP65 protection)					
Field mounting in Flame/Explosion-proof execution				Χ	
(Cast Aluminum Alloy LM6 enclosure, for Gas groups IIA, IIB)					
Other (to be specified)				Z	
RETRANSMISSION / COMMUNICATION					
Retransmission of 4 to 20 mA DC (available in MAX-4U only)					R
RS485 on MODBUS Protocol (available in MAX-8U only)					M
No Retransmission					0

OUR OTHER PRODUCTS











FLOW TOTALIZER

SIGNAL ISOLATORS & TRANSDUCERS

TEMPERATURE SCANNER

FLAMEPROOF INSTRUMENTS STATIC POWER SWITCHES



ASHE CONTROLS PRIVATE LIMITED

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