ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

VZ-70

VZ-Series Single Channel Data Logger



RoHS Compliant

MAKE IN INDIA

Overview

The Single Channel Data Logger model VZ-70 is a microcontroller based Digital process Indicator with data logging feature, offered in a highly compact, rugged and reliable execution. The instrument has three keys on the front panel, with which the operator can set the parameters and configure the instrument as desired. A four-digit red LED digital display is provided on the front panel which indicates the process value in real time. The display can indicate any scale range between –999 to +9999 units. A Micro-SD Card slot on the front panel is provided for insertion of the SD Memory Card.

The instrument accepts a standard analog current loop signal of 4 to 20 mA DC and displays the process value with periodic data logging into Micro SD Card as well as in Microcontroller memory (limited to 4000 logs), the set-point of which may be configured through the Membrane Keypad on the front panel. Data Logging will start only whenever the process value crosses this set-point. The process display is factory calibrated to the desired operating range of the input through the instrument software and may be changed whenever desired. The instrument has non-volatile memory (i.e., in case of power failure, the set points and other settings are retained in memory and the indication and control actions resume after power is restored).

The micro-controller based process Indicator and data logger Model VZ-70 is an ideal instrument for process measurement and data logging applications because of its versatility and inherent accuracy in process measurement, besides other superior characteristics such as total immunity to shocks, dust, ambient temperatures and humidity. It is available in standard DIN Rail enclosure and operates on 24 V DC power supply.

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

Specifications

Model	ASHE VZ-70
Type	Microcontroller based Digital Process Indicator with Data Logging.
No. of Channels	One Channel.
Input Signal	4 to 20 mA DC.
Display	4-digit, 0.4” seven-segment Red LED display.
Scale Range	-999 to 9999 (Fully configurable).
Response Time	Typically 200 mS.
Output Signal	4 to 20 mA DC.
Memory	Non-Volatile (on EEPROM).
Logging Interval	10 to 50 seconds (Configurable).
Data Storage	100 days with 30 sec interval.
Data Log Interval	User selectable 1 sec to 99 sec.
Data Format	MS Excel.
Storage Start Cycle	Automatic on crossing the set point.
Data Storage Media	Standard Micro SD card (not included).
Settings	By Membrane keypad on front panel
Accuracy	$\pm$ 0.1% FS.
Power Supply	24 VDC ($\pm$ 10%)
Dimensions	75 x 55 x 110 mm [H x W x D].
Execution	DIN-Rail mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.5 Kgs
Operating Temperature	0 to 55^{0}C.

Features

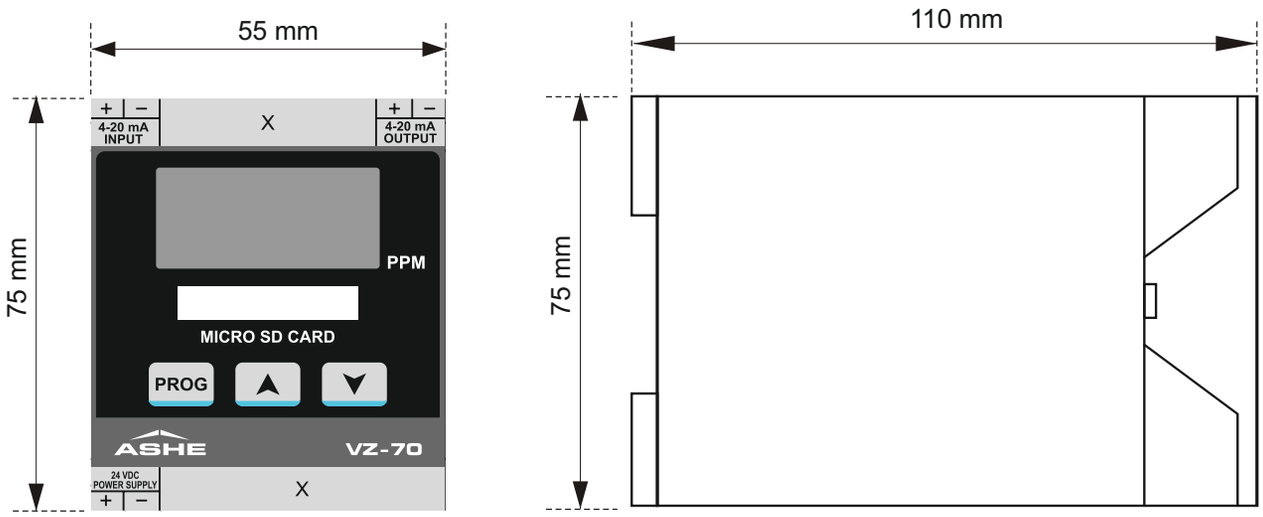
- Microcontroller based single channel design
- Data scanning and logging on removable SD Memory Card
- Configurable logging interval from 10 to 50 seconds
- Logging initiates on crossing of set-point
- Compact DIN Rail mount execution
- Up to 16 GB SD Card for high data storage
- Four digit Digital LED seven segment display
- Data storage up to 100 days at 30 second interval logging
- Storage in standard MS Excel spreadsheet format
- Analog signal retransmission
- Simple installation and operation
- Two-year Performance Warranty
- Proven track record of successful site installations

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

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Dimensional Diagram



FRONT VIEW **SIDE VIEW**

How To Order

	SINGLE CHANNEL DATA LOGGER	**VZ-70**			
	Configuration and add-on options				
1	**POWER SUPPLY**				
▸	90 to 270 VAC, 50/60 Hz		A		
▸	24 V DC (± 10%)		D		
2	**RE-TRANSMISSION**				
▸	4 to 20 mA DC			G	
▸	Re-transmission not required			N	
3	**EXECUTION**				
▸	DIN Rail mount				D
▸	Field mounting in Weather-proof execution (Polycarbonate enclosure, Ingress protection)				W
▸	Field mounting in Flame/Explosion-proof Ex-d execution (Cast Aluminum Alloy LM6 enclosure, for Gas groups IIA, IIB)				X

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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