



# DIGITAL LARGE DISPLAY INDICATORS

## CY-SERIES



### SPECIFICATIONS

<b>Model</b>	ASHE CY-80, CY-81, CY-82
<b>Type</b>	Single channel Analog signal indication on large Digital display.
<b>Input Signals / Sensor (to be prespecified)</b>	4 to 20 mA DC, AC/DC Voltage, AC/DC Current, Resistance, Strain-gauge, Frequency, Proximity Switches and all temperature sensors like RTD Pt-100, Thermocouples type J,K,R,S,T,E,B, etc.
<b>Display</b>	4 digit, 5" seven-segment LED display for process value.
<b>Scale Range</b>	-999 to +9999.
<b>Calibration</b>	As required (configurable)
<b>Response time</b>	< 100 mS
<b>Linearity</b>	± 0.1% of span.
<b>Calibration facility</b>	Zero and Span settings [external].
<b>Accuracy</b>	± 0.1% of FSD.
<b>Retransmission</b>	4 to 20 mA DC [optional].
<b>Load driving capacity</b>	600 Ohms
<b>Polarity</b>	Auto-sensing.
<b>Settings</b>	Settings for Zero, Span, Decimal point.
<b>Dimensions</b>	440 x 195 x 120 mm [W x H x D].
<b>Execution</b>	Wall mounting.
<b>Enclosure</b>	MS Fabricated.
<b>Weight</b>	Approximately .5 Kgs.
<b>Operating Temperature</b>	0 to 50 °C.

### OVERVIEW

The ASHE CV Series Digital Process Indicators are a range of compact, rugged and reliable indicating instruments designed for accurate measurement applications.

The Indicators can accept any industrial standard input signals, like 4 to 20 mA DC, AC/DC Voltage, AC/DC Current, Resistance, Strain-gauge, Frequency and all temperature sensors like RTD Pt-100, Thermocouples, etc. The process value is displayed on a 4-digit seven-segment LED digital display and calibrated to the desired units.

The Micro-controller based Digital Indicators offer large bright display for easy viewing over long distances.

Options include multiple Relay outputs, analog retransmission signals, flame-proof execution, etc.

The Ashe CY series Indicators are reliable Display & control instruments that offer inherent accuracy in process control, besides superior like immunity to shocks, dust, ambient temperatures, humidity and corrosive atmospheres.

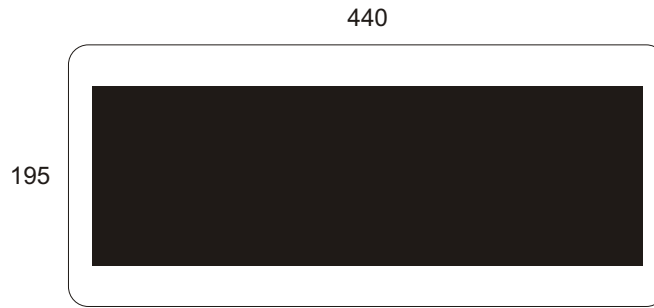
The instrument is designed to operate in tough conditions and provide many years of trouble free service.

All ASHE range of Digital Indicators carry a lifetime warranty on design and workmanship.

### FEATURES

- Standard analog signals and Sensors.
- Digital large size 5" LED displays.
- Low Input impedance – negligible load on loop.
- High accuracy and linearity to input signal
- 4 digit seven-segment displays
- Very low power consumption and heat dissipation
- Fully configurable
- Retransmission option.
- External transmitter powering option
- Auto-sensing of polarity
- Selectable Decimal point
- Rugged, industrial grade enclosure
- Compact and rugged execution
- High Noise immunity.
- Panel / Field / Hazardous-area installation in IP65 execution
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship

## DIMENSIONAL DIAGRAM



### HOW TO ORDER

DIGITAL INDICATOR	CY					
<b>1 DIMENSIONS</b>						
▶ 48 x 48 x 90 mm			4			
▶ 72 x 72 x 55 mm			5			
▶ 48 x 96 x 55 mm			6			
▶ 96 x 96 x 55 mm			7			
▶ 440 x 190 x 120 mm			8			
<b>2 CONTROL RELAY OUTPUTS</b>						
▶ No Relay (Simple Indicator)				0		
▶ One Relay				1		
▶ Two Relay				2		
<b>3 INPUT SIGNALS</b>						
▶ 4 to 20 mA DC						
▶ RTD Pt-100 (three-wire)						
▶ J type Thermocouple (0 to 750 °C)						
▶ K type Thermocouple (0 to 1200 °C)						
▶ R type Thermocouple (0 to 1800 °C)						
▶ S type Thermocouple (0 to 1800 °C)						
					L	
					R	
					J	
					K	
					P	
					S	
<b>4 POWER SUPPLY</b>						
▶ 90 to 270 V AC, 50 Hz (±10%). Universal AC Power Supply.						
▶ 20 to 70 V DC						
▶ Other (to be specified).						
						S
						D
						Z
<b>5 EXECUTION</b>						
▶ Panel mounting						
▶ Field mounting in Weather-proof execution (MS/Polycarbonate enclosure)						
▶ Field mounting in Flame/Explosion-proof execution (Cast Aluminum Alloy LM6 enclosure, for Gas groups IIA, IIB)						
▶ Other (to be specified)						
						C
						W
						X
						Z

## OUR OTHER PRODUCTS



PROCESS CONTROLLER

UNIVERSAL CONTROLLER

FLOW TOTALIZER

TEMP. SCANNER

SIGNAL ISOLATORS & TRANSDUCERS

SMPS POWER SUPPLIES



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