

Digital Indicator With Control Action

OVERVIEW

The ASHE Series CY is a range of fully configurable micro-controller based universal Digital process Indicator with and without control relay outputs, 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 LED display is offered on the front panel. The display can indicate any scale range between -999 to +9999 units.

The Indicators accept analog input signals like 4 to 20 mA DC and temperature sensors like RTD Pt-100, Thermocouples (type J,K,R,S). The Indicator is available in several dimensions in panel-mount execution and operates on universal AC power supply.

The instrument has single/dual Relays for control action, the set-points of which may be set from the front keyboard. Options include On/Off and PID Control, Analog Retransmission, Weather-proof / Flame-proof executions, etc.

The ASHE CY range of Indicators offer a high degree of reliability owing to their inherent accuracy in process control, besides other characteristics like total immunity to shocks, dust, ambient temperatures, humidity and corrosive atmospheres. Further, the instruments are manufactured using selected high-grade components which guarantee their functional reliability and long operational life.



SPECIFICATIONS

Model	ASHE CY-6X
Type	Microcontroller based Process Indicator with Relay Control
Input Signals	4 to 20 mA DC 0 to 10 VDC and Temperature sensors like RTD Pt-100, Thermocouples type J,K,R,S.
Display	4-digit, 0.5" seven-segment LED display.
Scale Range	-999 to +9999.
Calibration	Configurable.
Response Time	< 100 mS
Linearity	± 0.1% of span.
Calibration Facility	By Membrane keypad on front panel.
Control Outputs	Upto 2 Relay changeover contacts (Configurable)
Memory	Non-volatile.
Accuracy	± 0.1% of FSD.
Retransmission	4 to 20 mA DC (optional).
Auxillary Power Supply Out	24 VDC at 100mA for Aux Transmitter Power (optional).
Settings	Settings for Zero, Span, Decimal point.
Dimensions	48 x 96 x 55 mm [H x W x D].
Power Supply	90 to 270 V AC, 50/60 Hz, Universal AC Power (Optionally 24 VDC).
Execution	Panel mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.5 Kgs.

FEATURES

- Microcontroller based design
- Low cost, high functionality
- Standard analog signals and Temperature Sensors
- Low Input impedance – negligible load on loop
- High accuracy and linearity to input signal
- 4-digit seven-segment digital LED displays
- Up to two Relay change-over contacts
- Very low power consumption and heat dissipation
- Fully configurable
- Selectable Temperature Sensors
- Temperature Linearization
- Universal AC Power Supply (Optionally 24 VDC)
- Polarity Auto-sensing
- Selectable Decimal-point
- On-Off or PID control action options
- Rugged, industrial grade ABS enclosure
- High Noise immunity
- Panel / Field / Hazardous-area installation in IP66 execution
- Proven record of several thousand installations

