

### SALIENT FEATURES :

- ☐ Microcontroller Based Fully Programmable
- ☐ Universal Input
- ☐ Available with large display sizes
- ☐ Upto two programmable set-points
- ☐ Isolated Retransmission
- ☐ Built-in two-wire transmitter supply
- ☐ Field Calibration from front key pad
- ☐ Built-in square root extraction
- ☐ Various Cutouts and sizes
- ☐ Single Chip design for ruggedness and low cost



The CS 2000 series Digital Process Indicators are precision instruments used for display of Linear / Non linear process parameters. The same unit can be configured at site to accept inputs from two-wire, three-wire or four-wire transmitters or temperature sensors. The thermocouples and RTD's are linearised. Two programmable set-points and isolated retransmission output is also provided.

### TECHNICAL SPECIFICATIONS

Input	: 1) 4 to 20 mA DC, 0 to 20 mA DC (Input Impedance < 200 ohm) 2) 1 to 5 V DC, 0 to 5 V DC (Input Impedance > 2K ohm) 3) RTD, PT-100, 3 wire 4) Thermocouples J type, K type (others on request) (Input Impedance > 1M ohm)	
Range	: Calibrated as per customers requirement from front key pad	
Linearization	: Provided through software	
Display	: 4 digit, 1/2" red LED (1" display optional)	
Set-points	: 2 nos programmable from front key pad	
Output Relays	: 1 NO + 1 NC per set-point, rated at 230 V AC, 5 A resistive load	
Transmitter Supply	: 24 V DC, 30 mA	
Retransmission Output	: 4 to 20 mA (Isolated) in 600 ohm load (max), any other on request	
Programming	: All parameters programmable by splash proof front key pad	
Accuracy	: < +/- 0.2% of FSD	
Supply	: 230 V AC, 50 Hz (others on request)	
Mounting	: Flush on panel	
Dimensions	: Cutout	: Bezel
	1) 92mm X 92mm	1) 96mm X 96mm
	2) 138mm(H) X 68mm(W)	2) 144mm(H) X 72mm(W)
	3) 92mm(W) X 45mm(H)	3) 96mm(W) X 48mm(H)
Depth	: 150mm	
Operating Temperature	: 0 to 50 deg C	
Temperature Coefficient	: 0.015% / deg C	
Humidity	: 90% maximum (non-condensing)	

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