Process Indicators
Series CS 2000

nishko

SALIENT FEATURES :

- **Microcontroller Based Fully Programmable**
- **Universal Input**
- **Available with large display sizes**
- **Optional 4 1/2 digit display available**
- **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**
- **Serial Port RS 485 with MODBUS RTU protocol**

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, ½" red LED (1"or 4 1/2 digit display optional)
Set-points	: 2 nos programmable from 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)

NISHKO INSTRUMENTS PVT. LTD.

JAS-ANZ

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ISO 9001:2000