

LED DISPLAY BOARD

ICD Microprocessor based Display unit which displays Value of Voltage, Current, Frequency, Temperature, Pressure, Flow. etc.. The display unit can be assembled from the range of 2' inch display to 12' inch size. These displays units can be used as a monitoring cum controlling devices.

Features

- Long life Super Bright LEDs
- Display Size 2" / 4" / 6" / 12"
- Alpha Numeric characters (optional)
- Relay Output(Optional)
- Single Line / Multi Line
- Day light visibility
- Rs - 485 Communication (optional)

Applications

- Monitors Process variable seen at a longer distance
- Monitor Production / Machine stroke/Assembly lines / Conveyors
- Improves process Efficiency Productivity and Motivate employee



Technical Specification

DISPLAY

Function	Large size electronic display to show Process parameters
Display Size	2", 4", 6" and 12"
Display Type	Monolithic 7 Segment Display for 2" & 4" and discrete LED for 6" & 12"
No. of Digit	4 / 6 / 8 / 10 / 12 in one row or multiple rows
(Option)	Alpha Numeric LED Matrix Display for text & numeric

INPUT

Input Types	a) Thermocouple(J.K)
	b) PT100Ω RTD
	c) 4-20mA / 0-20mA
	d) 0-75mV / 0-1V / 0-10V
	e) Data through serial communications (MODBUS-RTU protocol as standard user defined protocol can also be developed)
	e) User specified input can also be accepted

KEY FUNCTION

Settings and Calibration	Through Separate keypad with password Protection
Control action and relay	2 Numbers can be provided as optional feature
Power supply	90-270V AC

CASE AND DIMENSION

Enclosure	Sheet steel Enclosure
Paint Shade	Texture finish, siemens gray of shade RAL 7032
Box Dimension	Size is determined by number of digit and display size
Mounting	Wall Mounting / Hanging

RANGE, RESOLUTION AND ACCURACY

Sl. No	INPUT TYPE	RANGE	RESOLUTION	ACCURACY
1	Thermocouple(J)	600°C	1°C	+0.25% OFS + 1LSD
2	Thermocouple(K)	1200°C	1°C	+0.25% OFS + 1LSD
3	PT100Ω RTD	200°C	0.1°C	+0.25% OFS + 1LSD
4	4-20mA /0-20 mA	+10000 Units	1 Unit	+0.1% OFS + 1LSD
5	0-75 mV / 0-1 V / 0-10V	+10000 Units	2 Unit	+0.1% OFS + 1LSD
6	Data through serial communication	User Specified	User Specified	No Error



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