Large Displays - Thermometers

- ✓ 6-digit Display ±999999
- ✓ Pt - 100 and Pt - 1000
- ✓ Thermocouples J,K,E,S,B,T,C
- ✓ Free programmable
- ✓ Analog Output
- ✓ Seriall Output Ports
- ✓ Two Set Point Relay
- ✓ Supply 115/230VAC

Large Displays OC57-TEMP, OC100-TEMP and OC125-TEMP are 4- or 6-digit programmable instruments for temperature measurements. They are free programmable for RTD and DIN-thermocouples. The cold junction can be set for 0ºC externaly compensated or for ambient automatic compensation.

The large displays have functions as temperature monitors without any control function, or controllers generating control outputs.
Depending on the application, the control outputs can be two set points, two analog outputs and/or two serial data ports.

The menu is entered with the keyboard. It contains the selection of two set points, the sensor type, the filter, the analog output, the display rate, the resolution, the serial port and the password.

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INPUTS

Pt-100, 200, 1000 and Ni
2- or 4-wire termination.
Accuracy: $\pm$ (1°C + 1 digit).
Tempco: $\pm$ 25 ppm/ K

Thermocouples
E, J, K, S, R, B, C, T.
Cold Junction: 0 to 60°C.
Accuracy: $\pm$ (2°C + 1 digit)
Tempco: $\pm$ 25 ppm/ K

SPECIFICATIONS

Display 0 ... $\pm$ 999999,
7 Segments red LED, 57, 100 or 125mm with DP and sign.

Averaging filter with programmable measurements from 1 to 99 for noisy signals or noisy industrial inveronments.

Peak and Valey Memory stores the maximum and the minimum of display readings. The stored data can be recaled into the display.

Serial Data Ports RS 232 and RS 485, with 8 bit, no parity, 1 start, 1 stop, 300-19200 bd. The address 00 activates RS232. One of addresses 01-31 activate RS485 and permit operation of up to 31 instruments on one data bus.

Set Points
Are programmable within the entire display range. They activate two open collector NPN transistors 60V/100mA or two mechanical relay 5A-230VAC.

Hystereze
In each set point selectable between 0 and 99.

Delay
In each set point selectable from 0 to 3900 ms.

Analog Outputs
0...$\pm$10V or 4-20mA (12 bit) are assigned with the keyboard to any two desired display values.

Supply
115/230V AC, $\pm$10%

Alu Cabinet

OC57:	4 and 6 digits: 112x368x80mm.
OC100-4:	4 digits: 173x458x80mm
OC100-6:	6 digits: 173x644x80mm
OC125-4:	4 digits: 229x535x80mm
OC125-6:	6 digits: 229x748x80mm
Protection:	IP65 - front.