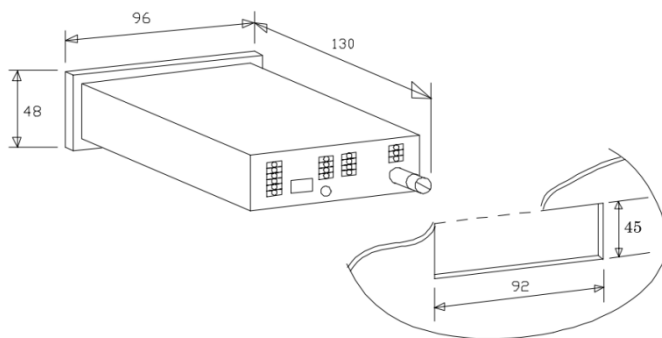


DP-151 PROGRAMMABLE PANEL METER

The DP-151 is a programmable meter intended for measurement of temperatures using resistance sensors and thermocouples as well as other analogue units such as voltage, current, and resistance. It can be programmed to give linear and non-linear response of displayed values. On separate order the DP-151 may also be obtained in models that allow control and counting operation.

Standard features include two adjustable alarm limits with direction, hysteresis, and delay settings. The alarm limits provide closing relay contact control (on separate order opening contacts). As a further option the meter may be obtained with two additional alarm limits - transistor control output,



analogue output 4-20 mA or RS-232/RS-485 digital serial bus for two-way communication.

In standard versions the power supply is 230 V 50 Hz, but on separate order 24 VDC and 12 VDC versions are available. The meter can also be used to supply power to transmitters, analogue current outputs, and additional relay control.

Measured values and alarm states are shown in the 4-digit display and on the front panel indicator lights. The display may also show maximum and minimum values. All selections and settings are done using the front panel control push buttons.

TECHNICAL DETAILS

| | |
|-----------------------|--|
| Display | 4 numbers, 7 segments, LED-screen, digit height 14 mm |
| Inputs | Can be found in the order information of next page (pg. 18) |
| Measurement speed | > 5 measures / second |
| Alarm limits | 1) two adjustable upper- and lower-limits, relay control (su/av-peaks, max. 230 V 2A) 2) two additional limits with oc-controls, hysteresis value and limit specific delays must be set to all the limits |
| Analogy start | 4-20 mA current signal, max. load 1 kohm / 48 V |
| Series interface | RS-232C series gate, plug in connection or RS-485 digital serial bus, screw connector |
| Accuracy | 0,1% from the range +/-1 number |
| Operating temperature | 0...+60 °C, effect <50 ppm/°C |
| Supply voltage | 230 V 50 Hz, +/-10 % or 24VDC |

ORDER INFORMATION

DP-151 meter with freely programmable inputs:

Pt-100 ohm, 2 or 3 wire connection, display direct in °C-degrees

Thermocouple, types J, K or S, display direct °C-degrees

Voltage, ranges -10...+10 V, -1...+1 V or -100...+100 mV, scalable display

Current, ranges 0...20 mA or 4...20 mA, scalable display

Resistance, range 0...1400 ohm, scalable display