

Miniature display - front dimensions 24 x 48 mm

Current or voltage indication

Supply voltage 9-35 VDC / 9-26 VAC

Galvanic isolation between supply and internal electronics

Made in accordance with the  and EMC regulations



DP510 is a 3½ digit panel instruments with LED display, and because of the small dimension it is very suitable in various kinds of control panels.

DP510 is supplied with selectable metering ranges 0-20 mA, 0-1 V and 0-10 V, and by means of switches on the top and potentiometers on the back of the instrument the display range is adjustable, as well as the decimal point.

Technical data:

Supply voltage: 9-35 VDC / 9-26 VAC
The supply voltage is galvanically isolated from the internal electronics.

Power consumption: typ. 60 mA @ 24 VDC

Operating temp.: -10°C to +50°C

Humidity: 0 - 90% RH, non-condensing

Protection: IP 44

Temp.coefficient: max. 0,01% FS/ °C

Linearity: +/- 1 count

Display range: -999 to 1999

Metering ranges: 0-1 V, 0-10 V and 0-20 mA

Input protection: +/- 36 VDC (all ranges)

Outside range: Display shows "1---"

Input impedance: Voltage metering: >100 kΩ
Current metering: typ. 75 Ω

Dimensions: according to DIN 43700

L x W x D: 24 x 48 x 95 mm.

Panel cut-out: 21,5 x 43,5 mm.

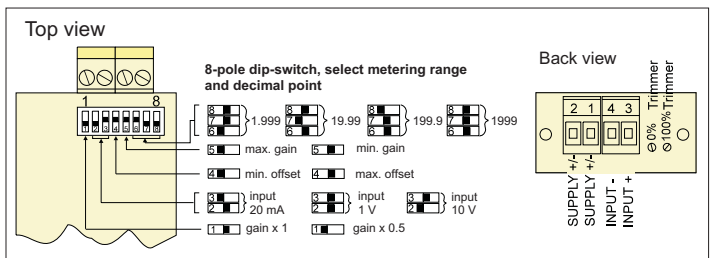
Weight: 90 g.

Materials: NORYL, SE1

Connections: screw terminals, max. 1,5 mm.

EMC-data:
Emission: EN 50081-2
Immunity: EN 50082-2
Safety: EN 60730

Connection and calibration:



- 1: Select metering range on switch 2-3
- 2: Set coarse adjustment of range and offset at switch 1, 4 and 5
- 3: Connect minimum input signal and adjust to the wanted minimum display at the 0% trimmer.
- 4: Connect maximum input signal and adjust to the wanted maximum display at the 100% trimmer
- 5: Check min. reading and repeat step 3-4 if necessary.
- 6: Select wanted decimal point at switch 6-8

Block diagram:

