

Current and voltage inputs.
Separate zero and span adjustments.
Supply voltage 9-35 VDC / 9-26 VAC.
Galvanic isolation between supply and internal electronics.
Red or green LED display.



Series DP5xx consists of 4 different panel instruments, all with the same electrical data and functions, but with different mechanical dimensions and digit heights.

Common technical data:

- Supply voltage:** 9-36 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% / °C
- Linearity:** +/- 1 count
- Display reading:** -999 to 1999
- Display color:** red or green (DP542: red only)
- Metering ranges:** 0-1 V, 0-10 V and 0-20 mA.
- Input protection:** +/- 36 VDC (all ranges)
- Overload indication:** display shows "1---"
- Input impedances:** Voltage metering: >100 kΩ
Current metering: typ. 75 Ω
- Connections:** screw terminals, max. 1,5 □ mm.

EMC and safety regulations.

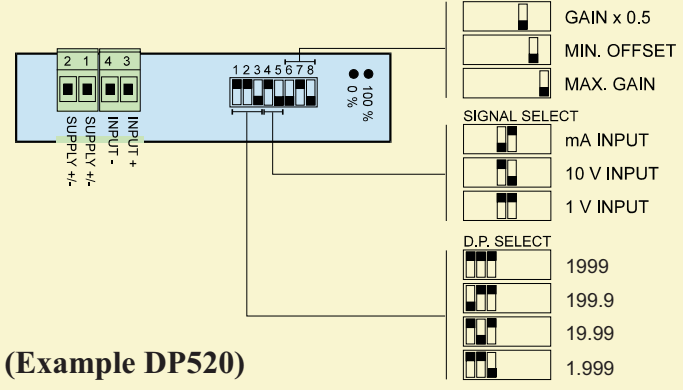
- Emmission:** EN 50 081 - 1
- Immunity:** EN 50 082 - 2
- Safety:** EN 60 730

Approvals: The units are produced in accordance with the CE and low voltage regulations.

Individual specifications:

- DP520:** Dimensions: 24 x 96 mm, depth 66 mm
digit height: 13 mm
- DP530:** Dimensions: 48 x 48 mm, depth 67 mm
digit height: 10 mm
- DP531:** Dimensions: 48 x 96 mm, depth 66 mm
digit height: 13 mm
- DP542:** Dimensions: 48 x 96 mm, depth 66 mm
digit height: 20 mm

Connections and calibration



(Example DP520)

- 1: Select the wanted input type (1V, 10V or 20 mA)
- 2: Select the wanted offset and gain.
- 3: Connect the wanted minimum signal to the input and adjust for wanted minimum display with 0% potmeter.
- 4: Connect the wanted maximum signal to the input and adjust for wanted maximum display with 100% potmeter.
- 5: Check min and max display and readjust if needed.
- 6: Select decimal position

Block diagram:

