

DP-101/102S LOCAL DISPLAY UNITS

DP-101/102S local display units are designed to measure temperature, humidity, pressure differences, level, air flow speed, volume of the air and other variables. Meters will work through alarms and message transfer activities. They are surface-mounted. Meters can be equipped with other internal or external sensors and they will be delivered as ready to calibrate for the ordered inputs. Meters can be also equipped with adjustable alarm limits (2) and with controllable current output, either with 0/4-mA current signal or 0-10 V voltage signal.

Usage programming is done through the buttons located in the front panel, indicator lights and digital display. In addition of range-, output-, limit-, and password settings, user can display program setting which is taken as screening of an average as previously programmed times of sample units. DP-101/102S meter is built in small and compact box (80 x 130 x 85 mm). All the wires are attached to screw connectors that are placed underneath the lid. Supply voltage connection of the meter is 24 VAC/DC and on separate order, 230 V 50 Hz voltage is also possible.



TECHNICAL DETAILS

Display	4 digits, 7 segments, LED display, digit height 14 mm.
Inputs	Temperature: Pt-100 ohm resistance sensor Humidity: capacity sensor Pressure: pressure sensors Air flow: hot wire sensor Current signal: 0/4 – 20 mA (scalable) Voltage signal: 0-1 (scalable)
Measurement speed	>5 measures / second
Alarm limits	– two adjustable upper – or lower limits – relay controls (contacts max. 230 V 2 A) – closing/opening – adjustable hysteresis values and limit values – indicating lights at the front panel
Countable monitoring	– air flow level in pressure meter – condensation point value in humidity meter – sum, difference, median in 2 wire temperature meter
Analogy start	a) 0/4-20 mA current signal b) 0-10 V voltage signal
Accuracy	+/- 0,1% from the range +/- 1 number / 25 °C
Self calibration	Constant
Operating temperature	0..50 °C
Supply voltage	24 VDC/DC or 230 V 50 Hz +/-10 %