

PROGRAMMABLE DEWPOINT MONITOR

DPM-221



- signal monitor for dewpoint DPT-21 transmitter
- user programmable display units °Cdp, °Fdp, ppm(v)
- measurement of standard analog signals in industrial automation systems: 0 ... 20mA, 4 ... 20mA
- user programmable indication range
- two programmable multifunction alarms with relay outputs
- build-in transmitter power supply 24 V/30 mA
- RS-485 serial communication interface

DPM-221 is a programmable current meter designed to operate with **DPT-21 dewpoint transmitter**.

It provide power supply for transmitter and has 3 programmable display units. Device measure currents in 0...20mA or 4...20mA range. Measured and scaled value of the signal is displayed on a 4-digit LED display.

The unit and range of the displayed measured value are programmed by the user: °Cdp, °Fdp, ppm(v).

The monitor has two independent relay outputs to enable signaling of alarm or simple implementation of regulatory functions. The threshold values and the operating mode of the alarm relays are configured by the user.

DPM-221 has high accuracy over the range of ambient temperatures.

TECHNICAL DATA

Nominal input signal range	0 ÷ 20mA
Input signal measurement - accuracy	0.1%
Input resistance	< 22 Ω
Display units	°C dp, °F dp, ppm
Maximum readout	-100.0 ÷ 20.0°C dp -150.0 ÷ 70.0°F dp 0.014 ÷ 9999 ppm
Display	4 digit LED, red, height of digits 20 mm
Alarm outputs (2 independent)	SPST relay contacts 3 A, 250 V AC / 24 V DC
Power supply	80 ÷ 250 V AC 50..60 Hz, 3 VA
Ambient temperature T _a	0°C... +50°C
Mounting window dimensions (height x width)	45 x 91.4 mm
Dimensions (height x width x depth) / weight	48 x 96 x 79 mm / 200 g
Serial interface	RS-485 57600 bit/s, 8N1

ORDERING CODE

DPM-221