

GAS HUMIDITY AND TEMPERATURE METER

type EMW-200



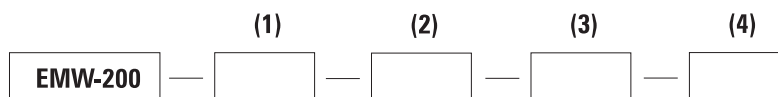
- Measurement range **0 ... 100 %RH**
-40°C ... 120°C
- Humidity result available in: %RH, °Cdp, gm³ or ppm(v)
- Power **230V AC** or **10...30 V DC**
- Two alarms outputs
- Bench mounting **48 x 96 mm**
- RS-232 or RS-485 interface

EMW-200 is microprocessor-based meter using semiconductor sensor to measure humidity and temperature of gases. Measuring unit is designed for bench mounting. It cooperates with all of sensor from „DW” line (for example: type TP-951DW, TP-992DW and others) offered by Czaki Thermo-Product. Depending of situations meter shows measurements results in units of absolute humidity: dewpoint temperature (°Cdp), mass at gas volume (gm³), parts at gas volume (ppmV) or relative (%RH). Meter is equipped in two independent alarms outputs, which can be configured as simple regulatory functions and serial interface which together with free software for Windows® expands the possibilities for on-line reading and registration.

TECHNICAL DATA

Temperature measurement range	-40°C...120°C
Temperature measurement accuracy	± 0,4°C (5°C...40°C); ± 1,5°C (-40°C...5°C) i (40°C...85°C); ± 2°C (85°C...120°C)
Temperature measurement resolution	0,1°C
Humidity measurement range	0...100 %RH
Humidity measurement accuracy	± 2%RH (10...90%); ± 4%RH (0...10%) i (90...100%)
Humidity measurement resolution	0,1%RH; 0,1°Cdp; 0,1/1/10gm ³ ; 10/100/1000ppm
Measurement result pointer	4 digits 13 mm, blue or green (humidity) 4 digits 13 mm, red (temperature)
Standard power	230 V AC, 3VA
Optional power	10...30 V DC, 300 mW (LV version)
Alarms outputs	relay, normal open, 5 A, 250 V AC / 30 V DC
Ambient temperature T ₀	-25°C ... + 45°C
Ingress protection (from front side / from rear)	IP61 / IP20
Mounting hole dimensions (h x w)	45 x 91 mm
Dimensions (h x w x d) / weight	48 x 96 x 80 mm / ca. 260 g

ORDERING CODE



- (1) Low voltage power supply, if other than 230 V AC **LV**
- (2) Gas sensor cable length (in meters)
- (3) Gas sensor specification
- (4) Interface, if other than RS-232 **RS-485**

Example for order: EMW-200-2-TP-951DW means meter powered from 230V AC with wall mounting sensor (type TP-951DW)