

INDUSTRIAL TEMPERATURE, HUMIDITY, PRESSURE CO₂ REGULATORS

203.03en

USE

- storage of food, medication
- museums, galleries, depositories
- flats, living space, offices
- technological operations, clean rooms
- industry
- telecommunication devices, servers

Measured quantities:

Temperature	(°C)
Humidity	(%RH)
Atmospheric pressure	(hPa)
CO ₂ (ppm)	

Computed quantities:

Dew point temperature	(°C)
Absolute humidity	(g/m ³)
Specific humidity	(g/kg)
Mixing ratio	(g/kg)
Specific enthalpy	(kJ/Kg)



GENERAL TECHNICAL PARAMETERS

Temperature measuring range:	-30 ... +80°C (+125 °C)
Humidity measuring range:	0 ... 100 % RH
Atmospheric pressure measuring range:	600 ... 1100 hPa
CO ₂ measuring range:	0 ... 2000 ppm
Temperature measurement accuracy:	± 0.04 °C
Humidity measurement accuracy:	± 2.05 % RH
Atmospheric pressure measurement accuracy:	± 1.03 hPa
CO ₂ measurement accuracy:	± (50 ppm +2 % of the measured value) at 25 °C and 1013 hPa,
Protection:	IP40 – IP65 (depending on the model)
Power:	9–30 VDC, sensors with 0–10 V are supplied 15–30 VDC; PoE

SPECIFICATIONS

Measured quantity/output	2x Relay	2x Relay + RS232	2x Relay	2x Relay + Ethernet
Temperature + 3 bin. output		H4331 H4431	H0430	H0530 H4531 H4531R
Temperature + humidity	H3060 H3061 H3061P H3020 H3021 H3021P H3023			
Temperature + humidity + 3 bin. Output		H3331 H3331P	H3430 H3431 H3431P H3433	H3530 H3531 H3531P H3531R
Temperature + humidity + pressure + 3 bin. output		H7331	H7430 H7431	H7530 H7531 H7531R
CO ₂	H5021 H5024	H5321 H5324	H5421 H5424	H5521 H5524
Temperature + humidity + CO ₂	H6020	H6320	H6420	H6520

HxxxxP – model with pressure probe for up to 25 bars

Each device includes a calibration certificate from the manufacture, which is in compliance with the requirements of EN ISO/IEC 17025.