

Humidity Sensors and Humidity/Temperature Sensors with the highly dynamic capacitive Mela-measuring element

Productgroup 3.1: light sensors

C 2.6



Humidity and Temperature Sensors

for use in air-conditioning systems, building management systems and ventilation technology.

Productgroup 3.2: standard sensors

FK80J



Humidity Sensors FK80J

Humidity-Temperature Sensors TFK80J

to determine relative air humidity and temperature in air channels

with capacitive measuring element
with current or voltage output,
0...20mA / 0...10VDC or 4...20mA

FK120J



Humidity Sensors FK120J (capacitive)

Humidity-Temperature Sensors TFK120J (capacitive)

with current or voltage output, to determine air humidity and temperature in room conditions

C 2.3



Humidity and Temperature Sensors series RC and PC

Rod-shaped industrial sensor .

C 2.4



**Humidity and Temperature Sensors
meteorological design**

C 2.5



**Humidity and Temperature Sensor, series PC S
with plug-in connection**

Productgroup 3.3:
industrial sensors

C 4.2



**Humidity and Temperature Sensors, series VC and VR
Industrial sensors in a high-grade steel housing**

C 4.3



**Pressure proof Humidity and Temperature Sensors
in stainless steel housing
for pressure up to 25 bar
with ball tap exchangeable under pressure up to 10 bar**

C 4.4



**Humidity and Temperature Sensors, resistant to ammonia
special sensors for applications in gases containing ammonia**

C 4.7



Humidity and Temperature Sensors, resistant to pressure or heat
Sensors for industrial applications up to 200 °C / up to 25 bar.

NEW! C4.8



Humidity and Temperature Sensor with ATEX-licence
 Sensor to measure relative humidity or humidity and temperature in air and other non-aggressive gases **in rooms where there is the risk of explosion and in locations with inflammable dust.**
Maximum input voltage 24 V DC
For potentially explosive areas in the categories 2 G, 1/2 G and 2 D.

C4.7-ME



Humidity and Temperature Sensor ME
 Humidity and temperature sensor with robust aluminium die cast housing for outdoor use.

Productgroup 3.4:
 digital sensors

NEW! PM-V



PM-V Modular Humidity and Temperature Sensor mit
 with exchangeable digital measuring head
Plug-and-Measure Unit PMU-V.

The integrated uses the relative humidity and temperature to calculate the values of the **dew point temperature, water content, enthalpy, absolute humidity and wet bulb temperature**; output as analog signal

Available as well as sensor for humidity and temperature **PM15VS** with **RS232 interface**.

Housing of stainless steel

PMU_G



Digital Humidity-Temperature Sensor PMU_G
with asynchronous ASCII transmission protocol,
calibrated model for relative humidity and temperature
exchangeable, plug-in design.

PM-P



PM-P Modular Humidity and Temperature Sensor
with exchangeable digital measuring head
Plug-and-Measure Unit PMU-P.

The integrated uses the relative humidity and temperature to
calculate the values of the **dew point temperature, water content,
enthalpy, absolute humidity and wet bulb temperature**; output
as analog signal

Available as well as sensor for humidity and temperature **PM15PS**
with **RS232 interface**.

Black plastic housing

PM-VS



**PM-VS Sensors for Humidity and Temperature with RS232
Level Converter**
for **digital transfer** of measurement values
rod version and industrial design
according to type **up to 200°C or 25 bar** with **exchangeable PMU
Plug-and-Measure Unit**

PM15PS



**PM15PS humidity and temperature sensor with RS232 signal
level converter and Sub-D-Jack**
for **digital transfer** of measurement values
rod design
with **exchangeable Plug-and-Measure Unit PMU**
USB adapter can be supplied