

# Meteorology

Very robust humidity and temperature sensors optimized for outdoor meteorology applications



Very precise and robust sensors

## Meteorological design



RC-ME

PC-ME



PC.S-ME



GC-ME



Weather guard

### Technical data (excerpt)

#### Relative humidity measurement

measuring/sensor element	capacitive, Mela®
output range	0... 100 %r.h.
accuracy	±2 %r.h. at 5...95 % r.h. and 10...40 °C

#### Operating temperature

sensor element	Pt 100 1/3 DIN class B
output range	-30... + 70 °C more upon request
accuracy	
with voltage output	±0,2 K
with current output	±0,3 K (RC-ME, GC-ME)

#### Electrical data

signal output	supply voltage
0...1 V	6 ... 30 V DC
0...10 V	15 ... 30 V DC
0...10 V	15 ... 30 V DC/24V A (GC-ME)
4...20 mA	12 ... 30 V DC (RC-ME, GC-ME)

#### Features and benefits

- Operating temperature -40 °C ... 80 °C
- Accuracy: ±2 %r.h.
- External installation, IP54
- Option: Protection against vibrations
- Option: IP65
- Wide variety of special versions
- Non-condensing/dew resistant

### Optimized for outdoor meteorology applications

Robust construction and the option of equipping the sensors with special filters as well as a variety of optional special equipment make these sensors versatile all-round standouts for use in humidity and temperature measurement settings. For extreme applications (near the sea, desert, mountains, areas with high airflow speeds, etc.) we recommend one of our stainless steel sintered filters.

Types	PC-ME	RC-ME	PC.S-ME	GC-ME	More information on the productsheet PDF
Electronic IP 65					 PC-ME, RC-ME PC.S-ME GC-ME
Measuring head IP 65	with Filter options				
Operating temperature	from  -40°C up to  80°C				

