



Air Temperature & Humidity Probes

Reliable measurement of air temperature and air humidity for experts

Temperature and humidity measurements are needed for diverse requests and are of the most important meteorological parameters. Often both of the parameters are recorded with one sensor. SOMMER is offering with the Hydroclip and the MP-408A two very robust and long-term stable sensors for fulfilling highest requirements.

Hydroclip (HC2)

A very reliable and long-term stable sensor for extreme conditions. With its compact design it is easy installed in the field and can be easily integrated into existing systems.

- Exact and long-time stable sensor (1 % relative humidity / year)
- Resistant against moisture (dew) and dust (protection IP 65)
- Universal-power supply 5 ... 26.5 VDC
- quickly and simply exchangeable through plug connection

Technical details

- **Measuring element/ principle** hygrometer AC-1 / Pt100
- **Measuring range humidity** 0 ... 100 % rh; accuracy: ± 1.5 % rh
- **Measuring range temperature** -40 ... +100 °C; non-linearity: 0.3 °C (at 23 °C)
- **Output** 0 ... 1 VDC
- **Voltage supply** 3.5 ... 50 VDC
- **Power consumption** approx. 4 mA
- **Protection** IP 65
- **Dimensions** \varnothing 15 mm; length 100 mm

MP-408A

The MP-408A sensor is featured with special accuracy, reliability and long-term stability especially also under extreme

conditions. It is equipped with specially developed weather protection shield. Meteo sensors of highest quality and long lifetime are developed for demanding application in the nature.

- Exact and long-term stable sensor
- Resistant against moisture (dew) and dust
- Universal-power supply 5 ... 26.5 VDC

Technical details

- **Measuring element/ principle** capacitive / Pt100
- **Measuring range humidity** 0 ... 100 % rh; Accuracy: ± 1.5 %
- **Measuring range temperature** -40 °C ... +60 °C; non-linearity: 0.1 °C (at 0 °C)
- **Output** 4 ... 20 mA
- **Voltage supply** 5 ... 26.5 V DC
- **Power consumption** max. 50 mA
- **Protection** IP 65
- **Dimensions** \varnothing 25 mm; length 260 mm