

meteorological transmitters

Rotronic MP100-MP400

temperature & humidity transmitter model Rotronic MP100/400

Precise & stable %rh & temperature measurement probes which are specially designed for outdoor & meteorological measurements.

Key Features

- Condensation resistant sensor
- Voltage and current output signals
- Pt100 direct temperature connection version
- Low power consumption
- Cable length compensation up to 100m on voltage output versions
- Proven in roadside & airport applications
- Over 30 000 sold

Applications

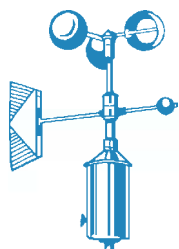
Typical applications include weather stations, airports, ice-warning systems, panorama TV systems, and outside condition monitoring for building management systems.



made to measure

technical specifications

Humidity sensor	Hygromer C94
Temperature sensor	Pt100 / A
Measuring range	0...100%rh, -40...+60°C
Accuracy at 23°C	±1.5%rh , ±0.3K
Long term stability	< 1%rh, 0.1K per year typical
Response time(d63%)	15 seconds
Output signal	MP106A: 0...1V = 0...100%rh, °C 4 wire Pt100 direct
Output signal	MP103A: 0...1V = 0...100%rh., -40...+60°C
Output signal	MP408A: 4...20mA = 0...100%rh, -40...+60°C
Output load	MP106A/MP103A: min.1000W; MP408A: max. 500W
Power supply	MP106A/MP103A: 4.8...30VDC, 3.5mA (3/4 wire), 6mA (5 wire)
Power supply	MP408A: 4.8...30VDC, 50mA
Adjustment	Potentiometer, 35, 80%rh, Hmin
Sensor protection	Wire mesh filter
Mechanical	White Delrin probe with IP65 male connector



ingenieursbureau **wittich & visser**

scientific and meteorological instruments

handelskade 76 po box 1111 tel. +31 70 3070706 www.wittich.nl
2288 bg rijswijk 2280 cc rijswijk fax +31 70 3070938 info@wittich.nl
the netherlands the netherlands