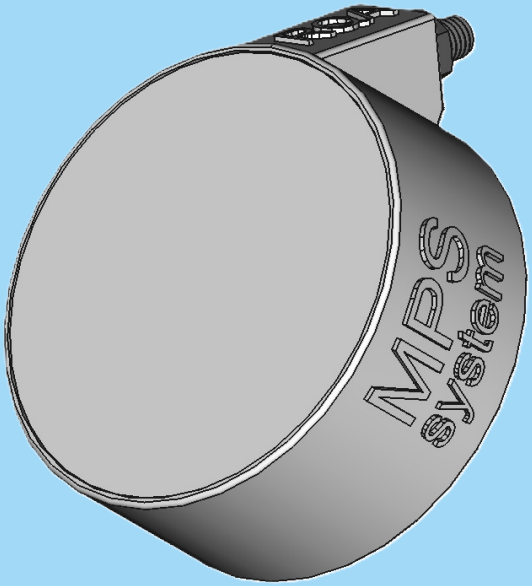
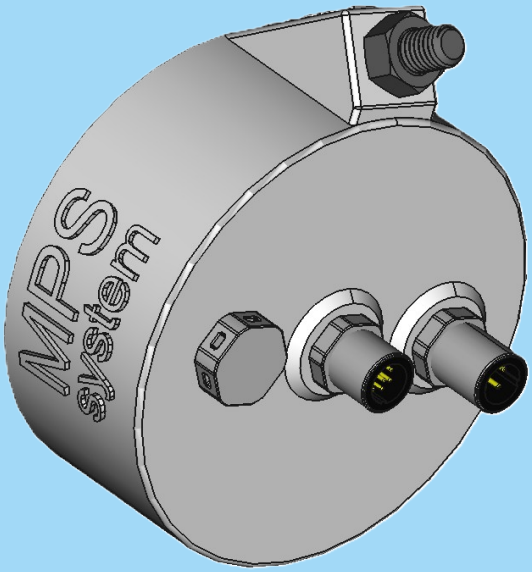
RQA

Since 1992

Measurements of relative intensity of precipitation, present liquid or solid precipitation





The RQA Sensor is designed to accurately measure the relative intensity of precipitation and detect the type of precipitation present, whether liquid or solid. Using advanced sensing technology, the RQA provides reliable, real-time data on rainfall, snow, sleet, or mixed precipitation, making it ideal for meteorological monitoring.

Application:

- Meteorology
- Climatology
- Hydrology
- Urban infrastructure
- Aviation
- Agriculture

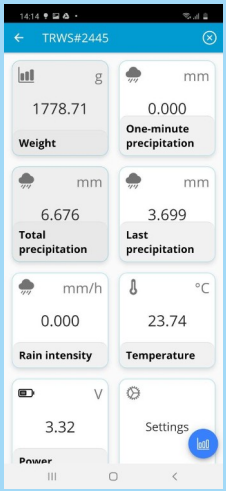
Key features:

- Measurements of relative intensity of precipitation, present liquid or solid precipitation, rain duration
- Elimination of temperature changes, dirt on the sensing element
- Preheat for eliminate condensation and prevent the detection of false precipitation
- Automatic calibration
- Output signals logical 0/1, RS485, SDI-12, ModBus
- Easy maintenance
- Long-term stability
- All parameters are user-configurable
- Low power consumption
- Adjustable heating

Sensor Series

TECHNICAL SPECIFICATION	RQA
Measuring element	MPS capacitance transducter ø 70 mm
Treshold for precipitation detection	1 ÷ 2 Drops
Preheat for elimination condensation	10 %
Heating mode	ON / OFF / ON if precipitation is detected
Operating temperature	-30 ÷ 70 °C
Operating humidity	0 ÷ 100 %
Protection rating	IP 66
Dimensions	Ø 80 × 50 mm
Weight	0.4 kg
Sensor supply	8 - 28 VDC / 7 mA average
Heating supply	10 - 30 VDC / 30 Ω / 15 W
Logical output	Relay, Umax. 30 V, Imax. 300 mA
Serial output	RS-485 / SDI-12 / ModBus

MPS AiO BLUETOOTH APPLICATION



Scan for nearby compatible sensors. Display current measurements. Display short-term measurement history in grafical and tabular form. Change sensor setttings. Upload firmware.

Download on the App Store

GET IT ON Google Play

Web application for Windows:
https://app.mps-system.sk/main

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