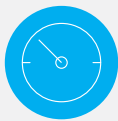


TRWS 2E25/TRWS 3E25/TRWS 4E25

Total Rain Weighing Sensor



0.5 s emptying time



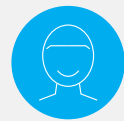
No energy for emptying



High accuracy



No blocking



Hardly any maintenance

Measurement of:

- A liquid precipitation
- One minute intensity
- The total sum of precipitation
- Rain duration

Emptying each:

- 15 s with 50 mm/min rain intensity
- 20 hrs with 0.01 mm/min rain intensity

Elimination of:

- Wind vibration
- Particles
- The unreal step change of weight evaporation
- Temperature fluctuation

Other advantages:

- Extra low consumption below 45 mW
- Evaluation and control of accuracy "in situ"
- Local and remote diagnostics
- Direct replacement of tipping bucket rain gauge

Output signals:

- Contact
- Serial RS-485 / SDI-12
- USB service connector

Technical data

Type	TRWS 2E25/TRWS 3E25/TRWS 4E25
Orifice area [cm]	200 / 314 / 400
Range of precipitation [mm]	unlimited
Accuracy absolute	±0.1 %
Accuracy relative [%]	±1 %
Threshold amount	0.025 mm/40 min
Threshold intensity	0.025 mm / min
Maximum rain intensity	unlimited
Resolution	0.001 mm / 0.01 mm
Measuring element	strain-gauge bridge
Power supply	5 to 30 V DC / max. 4 mA @ 12 V
Pulse output	(1/0.1/0.01 mm) CLOSE/OPEN
Serial output	SDI-12 / RS-485 (9600 bps, 8 N1)
Dimensions	ø 226 × 383 mm
Terminal cable length	3 m
Weight	7.0 kg
Operating temperature range	0 to 70 °C
Operating humidity range	0 to 100 %
Degree of protection	IP 65

Options

Ambient air temperature measurement	-40 to 70 °C
Heating	operating temperature range -40 to 70 °C

Dimensions:

