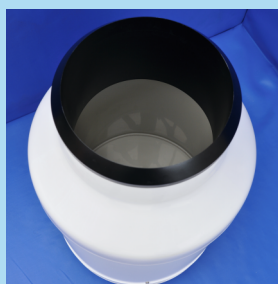# TRwS x2y

Series

MPS
systém
Since 1992

After successful TRwS x14 and x15 series, the new TRwS x24 and x25 series comes with many improvements. Weighing system with precise electronic design is an excellent tool to measure all types of precipitation within wide temperature range, harsh wind and snow conditions.

TRwS is the most sensitive and very accurate rain gauge. Simple mechanical construction together with very sophisticated firmware can guarantee perfect performance. TRwS is available with collecting areas of **200cm²**, **400cm²** and **500cm²**.

TRwS x2y series application:

- Hydrology
- Meteorology
- Environment
- Agriculture

TRwS x2y series main features:

- Measuring solid and liquid precipitation
- No blocking
- Minimal maintenance
- High precision

New features and improvements: Ultra low power consumption - SDI-12 1v4 and MODBUS support - 10s step for measuring precipitation - Bluetooth Low Energy compatible - Extended set of precipitation meteorological data - Free smartphone application (Android and iOS) for comfortable work with the sensor

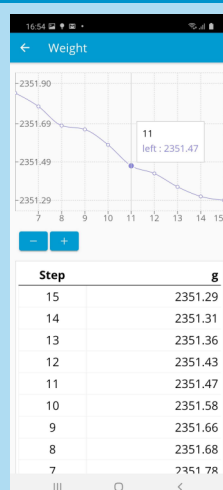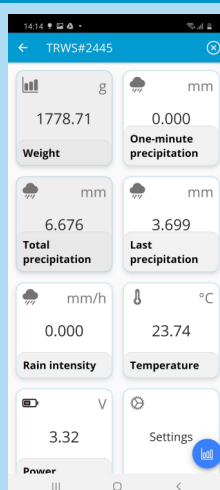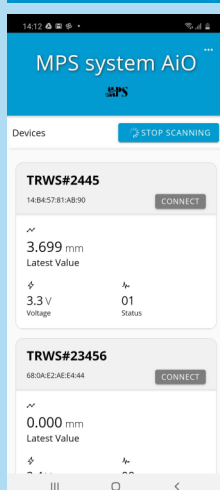Total Rain Weighing Sensor Series

TRwS

Technical Specification

Collecting area	200 / 400 / 500cm^2
Precipitation Range	750(1500) / 750 / 250mm
Accuracy absolute	±0.1%
Maximum Rain Intensity	120mm/min
Resolution	0.001mm / 0.01mm
Measuring Element	Load cell Stainless steel IP67
External Power Supply	5 to 30 VDC
Internal Power Supply	2.4 to 3.6VDC (LTO Battery)
Power Consumption V/mA	2.5/7 5/4 12/1.2 24/0.5
Rim Heating Modes	Off / On / On if temperature below treshold / On if temperature below treshold and raining
Communication	SDI12 / MODBUS / USB (service app) Bluetooth Low Energy (MPS system AiO app)
Output Contact (1/0.1/0.01mm)	Umax=30V, Imax=300mA
Dimensions	ø360 × 540mm / ø385 × 610mm / ø360 × 380mm
Weight	8kg / 9.5kg
Operating Temperature Range	-40 to 70°C
Operating Humidity Range	0 to 100%
Degree of Protection	IP65

Options

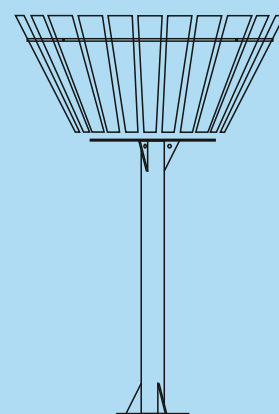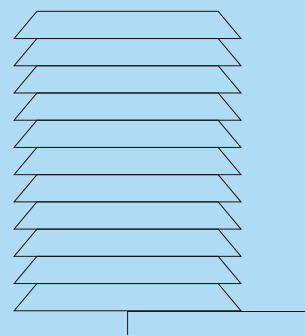|	
Heating	60W / 2.5A @ 24V
Wind Shield	Tretyakov
Ambient Air Temperature	Pt1000

App: MPS system AiO   Bluetooth application

Scan for nearby compatible sensors.
Display current measurements.

Display short-term measurement history in graphical and tabular form.

Change sensor settings.
Upload firmware.

Available on the App Store

GET IT ON Google Play

MPS systém

Since 1992