PRODUCT OVERVIEW

rain[e] Precipitation Sensors

Ideal applications:

- Water Management
- Flood Risk Management
- Emergency Management
- Severe Weather Risk Management
- Dam and Levee Safety

PAIR WITH AN ONSITE WEATHER STATION

Pair your rain[e] Precipitation Sensor with a professional-grade weather station and view everything in real-time together from your online weather center.

High Resolution Rainfall Measurement in a Compact Design

Industry-leading sensing technology for precipitation and flood monitoring and warning applications.

OVERVIEW

Our innovative rain[e] Weighing Precipitation Sensors deliver the most accurate rainfall measurement in a durable, low-maintenance design.

- Industry-leading resolution and accuracy of 0.001 mm/m2
- Professional grade weatherproof, all-metal construction
- Superior connectivity across multiple interfaces
- Low weight and easy to install and maintain

0.001 mm/m²

Accuracy

BENEFITS

- Highest resolution measurement in a compact design provides reliable and accurate hydrologic monitoring and warning
- Unique, continuously self-emptying collection system prevents overflow and incorrect measurements
- Environmentally friendly design provides full functionality all year without antifreeze
- Compatible with a wide range of data loggers for easy set up or expansion of your rainfall network

The First Weighing Precipitation Sensor of Its Kind

The rain[e] uniquely combines the most innovative weighing technology with a self-emptying precision tipping bucket that delivers high resolution and high accuracy precipitation measurements in a compact, lightweight package. It's easy installation makes it ideal for establishing new rainfall monitoring networks or to easily expand existing networks.

rain[e] Specifications

COMPONENT	SPECIFICATION
Id-No.	00.15184.000000 rain[e], unheated 00.15184.400000 rain[e], heated
Measuring range	Unlimited (0.005 to ∞ mm)
Amount of accuracy	± 0.1 mm or 1 % at < 6 mm/min; ± 2 % at ≥ 6 mm/min
Amount of resolution	0.001 mm
Intensity range	0 to 20 mm/min resp. 0 to 1200 mm/h
Intensity of resolution	0.001 mm/min resp. 0.001 mm/h
Output	SDI-12, RS-485, 2 Pulse Outputs, Status Output, Analogue Output
Collection surface	200 cm^2
Environmental conditions	0 to +70 °C (unheated) -40 to 70 °C (heated, no icing, no snow blowing)
Supply voltage	**Unheated:** 9.8 to32 VDC **Heated:** 24 VDC / 2 heating circuits
Measuring principle	Weighing with automatic self-emptying
Housing	**Dimensions:** 292 mm x 190 mm (H x D) **Weight:** Approx. 2.5 kg **Design:** Mounting mast Ø 60 mm Protection class:
Standards	WMO-No. 8; VDI 3786 Bl. 7; EN 61000-2, -4; EN 61000-4-2, -3, -4, -5, -6, -11; NAMUR NE-21

Key features:

- Unique self-emptying collection system
- Highest resolution of 0.001 mm/m2
- Durable and weatherproof all-metal housing
- Compact, lightweight design
- Easy to install and maintain
- Compatible with wide range of data loggers
- Environmentally friendly with full functionality all year