PRODUCT OVERVIEW

rain[e]LP Weighing precipitation sensor

POSSIBLE APPLICATIONS

- Agricultural measurement networks
- Traffic meteorology
- Measuring networks of water suppliers
- Sewage treatment plants

Energy-efficient solution for precipitation measurement

rain[e] is a new type of precipitation sensor: it combines the highest resolution with a very compact design. In the Low Power (LP) version, the sensor is ideal for solar- or battery-powered applications. The unique self-draining collection system enables the measurement of every single drop with a high resolution of 0.001 mm/m². The rain[e]LP is easy to lift, transport, install, and maintain. Its small packing volume and low weight ensure minimal logistical effort. The rain[e] series is compatible with data loggers from OTT and Campbell Scientific and is ideal for setting up and expanding precipitation measurement networks.

- Amazing resolution and precision
- Verification of precipitation sensors with tipping bucket and other weighing systems
- Compact and robust design with very low weight
- All-metal housing, weatherproof and durable
- Easy installation and maintenance

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rain[e]LP Weighing precipitation sensor

Professional Line	rain[e]LP
Ident-No.	00.15184.010000
Measuring ranges	Without limitation (0.005... ∞ mm)
Amount Accuracy	± 0.1 mm or ± 1% at < 6 mm/min; ± 2% at ≥ 6 mm/min
Amount of dissolution	0.001 mm (pulse output: 0.01 mm)
Intensity Range	0...20 mm/min or 0...1200 mm/h
Intensity Accuracy	0.1 mm/min or 6 mm/h
Intensity Resolution	0.001 mm/min or 0.001 mm/h
Output	SDI-12; 1 pulse output for linearized, bounce-free output signal
Collection area	200 cm^2
Ambient conditions	0...+70 °C
Supply voltage	9.8...32 VDC
Power consumption	Typical: 6.9 mA at a 12 V supply
Measuring principle	Cradle with automatic self-emptying
Structure	Mounting mast Ø 60 mm
Dimensions	292 mm x 190 mm (H x D)
Protection class	IP67 (load cell)
Weight	Approx. 2.5 kg
Material	Housing: Aluminum, anodized, painted white Funnel: Aluminum, anodized Base: Cast aluminum, painted Collection vessel: Aluminum, black anodized
Standards and norms	WMO No. 8; VDI 3786 Sheet 7; EN 61000-2, -4; EN 61000-4-2, -3, -4, -5, -6, -11; NAMUR NE-21
Accessories (order separately)	00.15091.500XXX Tretjakov-style wind shield for measurement heights of 1 m, 1.5 m, and 2 m 32.15180.023020 Bird deterrent ring 32.14581.060000 Sensor cable, 10 m, 5-pin

As of September 8, 2026