PRODUCT-VIEW

LAMBRECHT meteo

AN aem BRAND

rain[e]LP WEIGHING PRECIPITATION SENSOR





Minimum energy consumption

rain[e] is a new type of weighing precipitation sensor: Highest resolution combined with the most compact design. The Low Power (LP) version of the sensor is the ideal choice for solar or battery powered applications. The unique self-emptying collection system enables the measurement of every single drop with the high resolution of 0.001 mm/m ^{2}. Full functionality all year around without antifreeze fluid makes the rain[e] very environmentally friendly.

rain[e]LP is easy to lift, transport, install and maintain. The small packing volume and the low weight ensure minimum logistical effort. The rain[e] series is compatible with OTT and Campbell Scientific data loggers and ideal for setup and expansion of rainfall measurement networks.

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

APPLICATIONS

- Agricultural meteorology
- Traffic meteorology
- Measuring networks of water utilities
- Wastewater treatment plants

Professional Line	rain[e]LP
Id-No.	00.15184.010000
Measuring range	without limitation (0.005... ∞ mm)
Amount of accuracy	± 0.1 mm or 1 % at 6 mm/min • ± 2 % at ≥ 6 mm/min
Amount of Resolution	0.001 mm (pulse output: 0.01 mm)
Intensity range	0...20 mm/min resp. 0...1200 mm/h
Intensity of resolution	0.001 mm/min resp. 0.001 mm/h
Output	SDI-12 • 1 Pulse-Output for linearised, bounce-free output signal

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Professional Line	rain[e]LP
Collection surface	200 cm^2
Environmental conditions	0...+70 °C
Supply voltage	9.8...32 V DC
Power consumption	typ. 6.9 mA at 12 V power supply
Measuring principle	weighing with automatic self emptying
Design	mounting mast Ø 60 mm
Dimensions	292 mm x 190 mm (h x d)
Protection class	IP67 (load cell)
Weight	approx. 2.5 kg
Standards	WMO-No. 8 • VDI 3786 Bl. 7 • EN 61000-2, -4 • EN 61000-4-2, -3, -4, -5, -6, -11 • NAMUR NE-21
Accessories (order separately)	00.15091.500XXX Windshield according to Tretyakov for measuring height 1 m, 1.5 m and 2 m 32.15180.023020 bird defense ring 32.05005.001500 sensor cable, 15 m, 5-pol. M12-plug F

As of: 29.03.2024