

Technical Data

OTT Pluvio² L - precipitation gauge



All-weather, high accuracy rain gauge for continuous data collection

The OTT Pluvio² is an all-weather precipitation gauge that uses superior weight-based technology to measure the amount and intensity of rain, snow, and hail. Developed in conjunction with industry-leading meteorological services, the OTT Pluvio² employs a high-precision load cell and algorithms that compensate for wind, temperature, and evaporation, ensuring the highest accuracy precipitation measurements over time.

Orifice	200cm ² or 400cm ²
Dimensions (W x H)	200cm ² : 450mm x 740mm 400cm ² : 450mm x 660mm
Collecting volume	200cm ² : 1500mm/m ² 400cm ² : 750mm/m ²
Intensity / min	200cm ² : 0,2 ... 30mm 400cm ² : 0,1 ... 15mm
Intensity / hour	200cm ² : 12 ... 1800mm 400cm ² : 6 ... 1800mm
Accuracy @ -25°C ... +45°C	± 0.05 mm
Resolution	0.01mm/min or mm/h
Intensity output interval	1min
Optional heating	200cm ² : 24VDC / 50Watt 400cm ² : 24VDC / 100Watt
Weight	15kg
Sensor element	sealed load cell
Output 1	SDI-12
Output 2	pulse per 0.1 mm (configurable) and status (0...120 pulses/min; configurable 5 or 2Hz)
Power Supply	6 ... 28 VDC
Current	typ. 12 mA at 12 V
Operating conditions	-40 ... +60°C / 0 ... 100% (non-condensed)

1-2

We reserve the right to make technical changes and improvements without notice. V-13/03/2021
ADCON Telemetry, Austria

Technical Data

OTT Pluvio² L - precipitation gauge

Materials: base plate /bucket/pipe housing	stainless steel, aluminium / polyethylene / ASA, UV- resistant
IP protection	Housing: IP54, resistant to salt fog Load cell: IP67 Electronics: IP64
Standards	EN 61000-4-2/4/5/6, Level 5 (4 kV) EM/EMI EN 61000-4-3, CE conformity