



# PRECIPITATION SENSOR

with tipping bucket according to Joss-Tognini

## Grown by experiences...

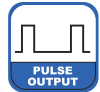
and equipped with the features and advantages of the proven forerunners is the sensor (15189) the "class winner"! Its functionality meets exactly the demands of the classical meteorology and hydrology as well as the semi-professional industrial meteorology. The sensor (15189) and its versions are very efficient and economical investment for a lifetime.

- best price-performance ratio in its class!
- single device or part of an automatic weather station

- very reliable measuring system
- high-quality materials
- easy installation

classical meteorology and hydrology

- agriculture meteorology
- measuring networks of water suppliers
- lysimeter systems
- sewage plants
- Weather services
- airports



Standard Line	(15189)	Precipitation sensors
Meas. principle/ element: Meas. range/ Resolution:		tipping bucket system • precision stainless steel bucket acc. to Joss-Tognini 2 cm <sup>3</sup> - (~2 g) volume of tipping bucket - 0.1 mm • 0...8 mm/min 4 cm <sup>3</sup> - (~4 g) volume of tipping bucket - 0.2 mm • 0...16 mm/min
Accuracy:		± 2 % with intensity correction
Collecting funnel:		200 cm <sup>2</sup> / WMO standard
Ranges of application:		unheated version: 0...+70 °C metering (frost resistant down to -20 °C) heated version: -20...+70 °C • no icing • no snowdrift
Pulse output:		reed contact • polarity protected • bounce-free signal • supply voltage 4...30 V <sub>DC</sub> • current consumption max. 100 µA • typical 50 µA • load max. 30 V <sub>DC</sub> / 0.5 A
Housing/ Funnel + ring:		aluminium • anodized
Dimensions/ Weight:		H 292 mm • Ø 190 mm • for mounting pipe Ø 60 mm • approx. 3 kg
Standards:		WMO-No. 8 • VDI 3786 lf. 7 • EN 50081/82 • VDE 0100
<u>Versions:</u>		
00.15189.002 000	(15189)	Precipitation sensor with 2 cm <sup>3</sup> -volume of bucket • unheated
00.15189.004 000	(15189 W4)	Precipitation sensor with 4 cm <sup>3</sup> -volume of bucket • unheated
00.15189.402 000	(15189 H)	Precipitation sensor with 2 cm <sup>3</sup> -volume of bucket • heated*
00.15189.404 000	(15189 HW4)	Precipitation sensor with 4 cm <sup>3</sup> -volume of bucket • heated*
*Heating data:		electr. controlled dual-circuit heating • supply voltage 24 V <sub>DC</sub> • controlled temperature of 4 ± 2 °C within a range of -20...+4 °C • heating power 150 W
<u>Accessories:</u>		Masts, dirt pan, protection ring, connecting cables, data logger, evaluation software
00.14966.200 000	(1496 S62)	Power supply unit for heated sensors