



PRECIPITATION SENSOR

with weighing tipping bucket according to Joss-Tognini



Grown by experiences...

and equipped with the features and advantages of the proven forerunners is the weighing 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 varieties 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
- ▶ connectable to data logger TROPOS
- ▶ very reliable, weighing 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

Meas. principle/ element:
Meas. range/ Resolution:

Accuracy:
Collecting funnel:
Ranges of application:

Pulse output:

Housing/ Funnel + ring:
Dimensions/ Weight:
Standards:

Varieties:

- 00.15189.002 000
- 00.15189.004 000
- 00.15189.402 000
- 00.15189.404 000

*Heating data:

Accessories:

- 00.14966.200 000

(15189) Precipitation sensors

weighing tipping bucket system • precision stainless steel bucket acc. to Joss-Tognini

2 cm³- (~2 g) volume of tipping bucket - 0.1 mm • 0...8 mm/min

4 cm³- (~4 g) volume of tipping bucket - 0.2 mm • 0...16 mm/min

± 2 % with intensity correction

200 cm²/ WMO standard

unheated varieties: 0...+70 °C metering (frost resistant down to -20 °C)

heated varieties: -20...+70 °C · no icing · no snowdrift

reed contact · polarity protected · bounce-free signal • supply voltage 4...30 V_{DC} • cur-

rent consumption max. 100 µA · typical 50 µA • load max. 30 V_{DC}/ 0.5 A

aluminium · anodized

H 292 mm · Ø 190 mm · for mounting pipe Ø 60 mm · approx. 3 kg

WMO-No. 8 · VDI 3786 lf. 7 · EN 50081/82 · VDE 0100

(15189) **Precipitation sensor** with 2 cm³-volume of bucket · unheated

(15189 W4) **Precipitation sensor** with 4 cm³-volume of bucket · unheated

(15189 H) **Precipitation sensor** with 2 cm³-volume of bucket · heated*

(15189 HW4) **Precipitation sensor** with 4 cm³-volume of bucket · heated*

electr. controlled dual-circuit heating • supply voltage 24 V_{DC} • controlled temperature of 4 ± 2 °C within a range of -20...+4°C • heating power 150 W

Masts, dirt pan, protection ring, connecting cables, data logger, evaluation software

(1496 S62) **Power supply unit** for heated sensors