

# 15189 PRECIPITATION SENSOR ACCORDING TO JOSS-TOGNINI



Developed through experience ...

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

- best price-performance ratio in its class!
- single device or part of an automatic weather station
- very reliable, weighing measuring system
- high quality materials
- easy installation
- connectable to Lambrecht's data logger met[LOG], Ser[LOG], PreLOG, TROPOS und SYNMET

## APPLICATIONS

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

Professional Line	15189 Precipitation sensor according to Joss-Tognini
Id-No.	00.15189.002000 Sensor with 2 cm <sup>3</sup> bucket, unheated 00.15189.004000 Sensor with 4 cm <sup>3</sup> bucket, unheated 00.15189.402000 Sensor with 2 cm <sup>3</sup> bucket, heated 00.15189.404000 Sensor with 4 cm <sup>3</sup> bucket, heated
Measuring range	2 cm <sup>3</sup> : 0...8 mm/min • 4 cm <sup>3</sup> : 0...16 mm/min
Accuracy	± 2 % with intensity correction
Resolution	2 cm <sup>3</sup> : [-2 g] volume of tipping bucket - 0.1 mm 4 cm <sup>3</sup> : [-4 g] volume of tipping bucket - 0.2 mm
Pulse output	reed contact • polarity protected • bounce-free signal
Switching capacity	max. 30 VDC / 0.5 A
Collection surface	200 cm <sup>2</sup> / WMO standard

Professional Line	15189 Precipitation sensor according to Joss-Tognini
Range of application	unheated: 0...+70 °C (frost resistant down to -20 °C) heated: -20...+70 °C - no icing - no snowdrift
Supply voltage	4...30 VDC
Current consumption	max. 100 µA • typical 50 µA
Measuring elements	weighing tipping bucket system • precision stainless steel bucket acc. to Joss-Tognini
Design	mounting pipe Ø 60 mm
Heating data	electr. controlled dual-circuit heating • controlled temperature of $4 \pm 2$ °C within a range of -20...+4°C heating power 150 W • supply voltage 24 VDC
Dimensions	H 292 mm • Ø 190 mm
Housing	aluminium • anodised
Weight	approx. 3 kg
Standards	WMO-No. 8 • VDI 3786 page 7 • EN 50081/82 • VDE 0100
Accessories (order separately)	00.15091.600XXX Windshield according to Tretyakov for measuring height 1 m, 1.5 m and 2 m 32.15180.021010 bird defense ring 00.14966.200000 Power supply unit for heated sensors

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