

15189 PRECIPITATION SENSOR ACCORDING TO JOSS-TOGNINI



Developed through experience

and equipped with the features and benefits of its proven predecessors, this all-metal Tipping Bucket Precipitation Sensor 15189 is the "best in class". Its functionality is precisely designed to meet the needs of classical meteorology and hydrology as well as semi-professional industrial meteorology. The Precipitation Sensor 15189, in its different variants, is an extremely economical investment.

- Best price-performance ratio in its class!
- Single device or part of an automatic weather station
- Very reliable and robust measuring system
- High quality materials
- Easy installation
- Connectable to Lambrecht's data logger met[LOG] and Ser[LOG]

APPLICATIONS

- Classical meteorology and hydrology
- Agriculture meteorology
- Measuring networks of water suppliers
- Lysimeter systems
- Sewage plants

| Professional Line | 15189 |
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| Id-No. | 00.15189.002000 Sensor with 2 cm ³ bucket, unheated 00.15189.004000 Sensor with 4 cm ³ bucket, unheated 00.15189.402000 Sensor with 2 cm ³ bucket, heated 00.15189.404000 Sensor with 4 cm ³ bucket, heated |
| Measuring range | 2 cm ³ : 0...8 mm/min • 4 cm ³ : 0...16 mm/min |
| Accuracy | Unheated: ± 2 % with intensity correction Heated: 4 °C ± 2 °C control temperature in the range of -20...+4 °C |
| Resolution | Version with 2 cm ³ tipping bucket: (~2 g) volume of tipping bucket - 0.1 mm Version with 4 cm ³ tipping bucket: (~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 |

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| Collection surface | 200 cm ² / WMO standard |
| Range of application | Unheated: 0...+70 °C (frost resistant down to -20 °C) Heated: -20...+70 °C (no icing, no snowdrift) |
| Supply voltage | Unheated: 4...30 VDC Heated: 24 VDC / 150 W |
| Current consumption | Max. 100 µA • typical 50 µA |
| Measuring elements | Tipping bucket system • precision stainless steel bucket acc. to Joss-Tognini |
| Design | Mounting pipe Ø 60 mm |
| 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) | 32.15188.060090 Sensor cable 15189 unheated, 2 pole, 7 m 00.15091.600XXX Windshield according to Tretyakov for measuring height 1 m, 1.5 m and 2 m 32.15180.023020 Bird defense ring 32.15189.008000 Insect filter for 15189 unheated 32.15188.061020 Sensor cable 15189 heated, 4 pole, 1 m |

As of: 12.03.2024