



PRECIPITATION SENSOR

with weighing tipping bucket acc. to Joss-Tognini



The successful precipitation sensor...

now available with serial interface. The resistant and beautifully designed sensor has additionally a linearised pulse output for high accuracy and easy connection to external data loggers.

This new sensor provides intensity adjusted measurement of precipitation with serial measurand output via RS485.

- SDI-12 protocol (at RS485) for universal use
- interface RS485
- LBP protocol (Lambrecht Bus Protocol)
- integrated intensity adjustment
- calculation of:
 - the precipitation sum since last data call
 - precipitation intensity for a slipping minute
 - precipitation intensity for a slipping hour (minute interval)

system integrators • classical meteorology and hydrology • measuring networks of water suppliers • sewage plants • traffic meteorology

Standard Line

Meas. principle/ Element:
Meas. range/ Resolution:

Accuracy:
Collecting funnel:
Ranges of application:

Interface:
Supply voltage:
Housing/ Funnel + ring:
Dimensions/ Weight:
Standards:

Versions:

00.15189.002 060
00.15189.004 060
00.15189.402 060
00.15189.404 060

*Heating data:

Accessories:

00.14966.200 000

(15189 serial) 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 %
200 cm²/ WMO standard
unheated versions: 0...+70 °C metering (frost resistant down to -20 °C)
heated versions: -35...+70 °C • no icing • no snowdrift
RS485 • SDI-12 protocol (at RS485) • LBP protocol (Lambrecht Bus Protocol)
10...30 V DC (12 V DC/ 24 V DC)
aluminium • anodized
H 292 mm • Ø 190 mm • for mounting pipe Ø 60 mm • approx. 2.5 kg
WMO-No. 8 • VDI 3786 page 7 • EN 50081/82 • VDE 0100

- | | |
|---------------------|--|
| (15189 serial) | Precipitation sensor with 2 cm ³ -volume of bucket · unheated |
| (15189 W4 serial) | Precipitation sensor with 4 cm ³ -volume of bucket · unheated |
| (15189 H serial) | Precipitation sensor with 2 cm ³ -volume of bucket · heated* |
| (15189 H W4 serial) | Precipitation sensor with 4 cm ³ -volume of bucket · heated* |
- electr. controlled dual-circuit heating • controlled temperature of 4 ± 2 °C within a range of -20...+4 °C • heating power 150 W • supply voltage 24 V DC

(1496 S62) Power supply unit for heated sensors