



# PRECIPITATION SENSOR

with tipping bucket acc. to Joss-Tognini

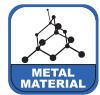
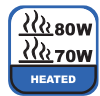
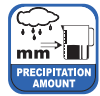
## The successful precipitation sensor...

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 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:
  - 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

Accessories (optional):

## (15189 serial) Precipitation Sensors

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

± 2 %

200 cm<sup>2</sup>/ 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<sup>3</sup>-volume of bucket • unheated

(15189 W4 serial) Precipitation sensor with 4 cm<sup>3</sup>-volume of bucket • unheated

(15189 H serial) Precipitation sensor with 2 cm<sup>3</sup>-volume of bucket • heated\*

(15189 H W4 serial) Precipitation sensor with 4 cm<sup>3</sup>-volume of bucket • heated\*

\*Heating data: 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

00.14966.200 000 Power supply unit for heated sensors

LAMBRECHT's data loggers met[LOG], Ser[LOG], PreLOG, TROPOS and SYNMET