



Precipitation

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Model Brief
Description

Precipitation Transmitter

with Reed-Contact

The measurement receiver transmits the amount and intensity of precipitation electrically. A tipping bucket, the turnovers of which are recorded by a Reed-contact, serves as the measured value transmitter. The heater is regulated electronically.

Order No.

5.4032.30.007
.008

Technical data

heating	none
heating	70 W ; 24 V AC/DC
Collecting area	200 cm ²
Resolution	0,1 mm precipitation
Intensity	max. 7 mm/min.
Meas. principle	tipping bucket
Electr. output	Reed contact
Contact load	max. 42 V DC
	max. 0,5 W
Ambient temp.	- 25 ... + 60°C w. heating
	0 ... + 60°C w/o. heating
Housing	stainless steel
Mounting	onto a mast Ø 50 mm
Dimensions	Ø 186 x 445 mm
Weight	3,3 kg



Precipitation Transmitter

Measurement sensor for precipitation quantity and -intensity for the analogue transmission of measuring values.

The tips of a tipping bucket are detected by a Reed contact. The pulses induced are cumulated in the electronics and is output as analogue signals corresponding to the measuring range. The measuring range is codeable by a DIP-switch.

The heating is regulated electronically.

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heating	70 W ; 24 V AC/DC
heating	none
Electr. output	0 ... 20 mA (< 500 Ω)
	4 ... 20 mA (< 500 Ω)
	0 ... 10 V
Meas. range 1	0 ... 10 mm (0,1)
Meas. range 2	0 ... 25 mm (0,1)
Meas. range 3	0 ... 20 mm (0,2)
Meas. range 4	0 ... 50 mm (0,2)
Collecting area	200 cm ²
Resolution	0,1 resp. 0,2 mm
Intensity	max. 7 mm/min.
Meas. principle	tipping bucket
Operating voltage	24 V AC/DC or
	10...18 V DC w/o heating
Ambient temp.	- 25...+ 60°C w. heating
	0...+ 60 °C w/o heating
Housing	stainless steel
Mounting	onto a mast Ø 50 mm
Dimensions	Ø 186 x 445 mm
Weight	3,3 kg



Precipitation Transmitter

with Datalogger DL 1/N

The instruments serves for the measurement of the precipitation falling on the ground surface. The precipitation is detected through a tipping bucket forming and sending an electric pulse. This pulse is stored in the integrated data logger together with date and time. The stored data can be interrogated either directly via serial interface, or can be read-out through a memory card, and then processed with a PC-software. Instrument without heating, with battery operation.

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Heating	none
Heating	42 V; 250 VA
Collecting area	200 cm ²
Collecting high	1,0 m
Resolution	0,1 mm precipitation
Intensity	max. 7 mm/min.
Operating voltage for datalogger	4 x 1,5 V Mignon cells and / or (extern)
	7...20 V DC ; 6...12 V AC
Datalogger	
Storage interval	1...30 min ; 1...24 h or event depending
Data output	RS 232 (9600 baud) or Memory card
Memory capacity	9289 data sets
Display	LCD display
Collecting can	4,5 l
Dimensions	Ø 370 x 1000 mm
Weight	13 kg