

Datasheet: ANDRGP

Heated rain gauge with pulse output

Description:

The heated rain gauge measures accumulated precipitation in millimetres (mm) using a tipping-bucket measuring system. The pulse output provides one pulse for every 0.25 mm of precipitation. The integrated heating enables reliable operation during winter conditions.

Output:

Pulse output: 1 pulse per 0.25 mm of precipitation

Technical data:

General information	
Supply voltage	230 VAC or 24 VAC/DC, depending on version
Device height	approx. H 400 mm × Ø 160 mm
Collection height with mast	1 m
Mast mounting	For mast diameter up to 50 mm
Collection area	200 cm ²
Output	Pulse output: 1 pulse = 0.25 mm precipitation
Heating	For winter operation
Mounting mast	60 cm mast with V2A base plate, not included



Connection diagram:

Terminals on the heating power supply unit

1 ---- 5

2 ---- 6

3 ---- 7

4 ---- 8 Cables numbered 1–4 from the rain gauge

6 ---- 3

7 ---- 4

Cables 1 and 2 from the rain gauge provide the pulse output: 1 pulse per 0.25 mm of precipitation.

Terminals 17 and 19 are also located on the heating power supply unit.

17 ---- (–)

19 ---- (+) Supply voltage: 230 V / 50 Hz or 24 VAC/DC, depending on version

Housing

Mechanical protection: IP65

Installation/Maintenance:

The rain gauge must be cleaned carefully, depending on the degree of contamination; otherwise, proper operation cannot be ensured.

Before commissioning the rain gauge, remove the transport lock from the tipping bucket (adhesive tape).

The rain gauge is equipped with heating for winter operation.

Important:

Disconnect the mains supply before carrying out any work on the device.

When installing or servicing this device, observe the applicable VDE regulations and occupational-safety requirements for work on electrical equipment and systems.

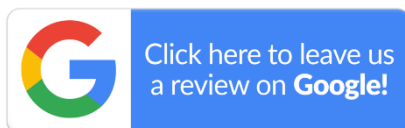
Product Web Links:

EN <https://www.andivi.com/sensors/meteorology-sensors-weather-station/precipitation-sensor-for-measuring-precipitation-rainfall-amount-andwkp/>

SI <https://www.andivi.si/senzorji-tipala/meteoroloski-senzorji-vremenske-postaje/senzor-padavin-zbiranje-dezja/>

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