

Datasheet: ANDWKP

Rain gauge with analogue output

Description:

The rain gauge measures accumulated precipitation in millimetres (mm) using a tipping-bucket measuring system. The measured value is reset to zero every 24 hours. The analogue output is scaled for a measurement range of 0 to 100 mm of precipitation.

Outputs:

Pulse output: 1 pulse per 0.25 mm of precipitation

Analogue output: 0–10 V or 4–20mA = 0–100 mm of precipitation

Technical data:

General information	
Supply voltage	230 VAC
Device height	approx. H 400 mm × Ø 200 mm
Collection height with mast	1 m
Mast mounting	For mast diameter up to 50 mm
Collection area	300 cm ²
Measuring range	0 – 100 mm of precipitation
Output	Pulse output: 1 pulse = 0.25 mm of precipitation

Analog output	
Type I	4–20 mA = 0–100 mm of precipitation
Type U	0–10 V = 0–100 mm of precipitation

The required analogue output version must be specified when ordering.



Housing

Mechanical protection: IP65

Connection diagram:

1 ----

Supply voltage 230VAC

2 ----

3 ---- 1

4 ---- 2 Cables numbered 1–4 from the rain gauge

5 ---- 3

6 ---- 4

7 ---- (+)

Analogue output: 0–10 V or 4–20 mA = 0–100 mm of precipitation

8 ---- (-)

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).

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.

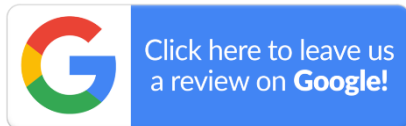
Product Web Links:

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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