

All Weather Precipitation Gauge SDI-AWP-XXX



Superior performance in any condition

The All Weather Precipitation (AWP) Gauge measures all types of precipitation within a wide temperature range. It is designed to withstand harsh wind and snow conditions without sacrificing sensitivity and accuracy. The AWP Gauge boasts a combination of simple mechanical construction and sophisticated firmware, guaranteeing superior performance.

The AWP Gauge is available with an orifice area of 200 cm² (1500 mm capacity) or 400 cm² (750 mm capacity), with either a 1 m or 1.5 m Pedestal and matching Wind Shield.

KEY FEATURES

- Measurements of solid and liquid precipitation with one-minute rain intensity, total sum of precipitation and rain duration
- Elimination of wind vibration, particles, false weight changes, evaporation and temperature fluctuation
- Easy to maintain
- Evaluation and accuracy check "in situ"
- Bucket capacity alert function
- Orifice heating optional
- Output: contact, RS-485, SDI-12



Wind Shield
(shown with 1 meter pedestal)

Optional

Pedestal in 1 m or 1.5 m (3.3 or 4.9 ft.) and matching Wind Shield available.

All Weather Precipitation Gauge

SPECIFICATIONS	SDI-AWP-200	SDI-AWP-400
MEASUREMENT		
Orifice area	200 cm ² (31 in. ²)	400 cm ² (62 in. ²)
Gauge volume	1500 mm (59.06 in.)	750 mm (29.53 in.)
Accuracy	0.1%	
Maximum rain intensity	120 mm / minute (4.72 in.)	
Resolution	10.001 mm	
Measuring element	Strain-gauge bridge	
Air temperature measurement	Optional, -40° - +70°C	
Wind correction	Yes	
Wind Shield	Optional	
ELECTRICAL & INTERFACE		
Power requirements	5..30VDC/4mA max	
Heating supply (optional)	10 - 30 vdc / 0.83 - 2.5A	
Serial output	RS-485/SDI-12	
MECHANICAL		
Dimensions	Ø385x650 mm (15.16x24 in.)	Ø385x610 mm (15.16x25.60 in.)
Weight	9.5 kg (20.94 lb)	
ENVIRONMENTAL		
Operating temperature range	-40° - +70°C	
Operating humidity range	0-100%	
Ingress protection	IP65	

