



**EXTREME ENVIRONMENTS  
EXTREMELY RELIABLE**



# SDI-12 RAIN GAUGE



**Accuracy at high  
intensity**



The SDI-RAINE-HYDRO is the leader in rain sensor technology. Engineered to be highly accurate during intense rainfalls, it provides digital and pulse outputs.

- SDI-12 output returns a variety of calculated values
- Accurate to 0.1mm (0.0039in) or 1% at < 3.82mm/min (0.15in/min)
- Includes dirt trap spiral to protect the funnel from clogging



PERFORMANCE	
Amount Accuracy	0.1 mm or 1% at < 3.82 mm/min, 2% at ≥ 3.82 mm/min (0.0039 in or 1% at < 0.15 in/min, 2% at ≥ 0.15 in/min)
Amount resolution	0.001 mm (0.000039 in) pulse output: 0.01 in
Intensity Accuracy	0.1 mm/min resp. 6 mm/h (0.0039 in/min, 0.236 in/hr)
Intensity range	0 ... 12 mm/min (0 ... 0.47 in/min)
COMMUNICATION	
Serial	SDI-12
Pulse	1 galvanically isolated collector 1 non-isolated open collector
TEMPERATURE	
Operating	0 ... +70°C (32°F...+158°F)
Storage	-40 ... +70°C (-40...+158°F)
POWER	
Supply Current @ 12VDC	6.9 mA
Supply Voltage	9.8 to 32 VDC
PHYSICAL	
Dimensions	311 mm x Ø256 mm (12.24" x Ø10.7")
Collecting Area	314 cm <sup>2</sup> (48.6 in <sup>2</sup> )
Protection Rating	IP67
Weight	3.5 kg (7.7 lbs))

## Outputs the following values:

- Amount of precipitation
- Intensity within the last minute
- Intensity since last retrieval
- Amount since last retrieval
- Minimum, maximum and average intensity within the last X minutes
- Variance

## OPTIONS:

Military Connector • Windshield • Bird Defense Ring  
Calibration Set

## WHAT'S INCLUDED

- SDI-12 Rain Gauge Sensor
- 10m (33ft) SDI-12 Output Cable