SEM226H Piezoelectric Rain Detector

OVERVIEW

The SEM226H adopts an advanced small piezoelectric sensor module, and uses the technology of the voltage effect generated by raindrops on the piezoelectric module to measure the intensity of rainfall.
The SEM226H piezoelectric rain detector is more sensitive and quicker than the traditional mechanical rain detection method to detect the start and end time of rainfall, and there is no need to worry about moving objects such as leaves and branches swinging above the detector to affect the rainfall detection. Optional heating device inside to prevent freezing.
There are no moving parts inside the SEM226H detector, which is maintenance-free, small in size and low in energy consumption.

APPLICATION

- Weather station Rain detection
- Smart city system
- River flood control monitoring

SPECIFICATION

Measurement Type	Rain
Measuring range	0-200mm/h
Measurement accuracy	less than 10%
Particle size range (raindrop size)	0.5-5.0mm
Rainfall resolution	0.1mm
Sampling frequency	1 second
Communication interface	RS485, RS232, SDI-12
Communication protocol	ModBus, ASCII
Power and power consumption	7-24VDC; 0.16W @12V (without heating)
Working temperature and humidity	-30°C - +60°C: 0-100%
Dimensions	Ø82 * 90mm
Material/Weight	ASA/0.15kg

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