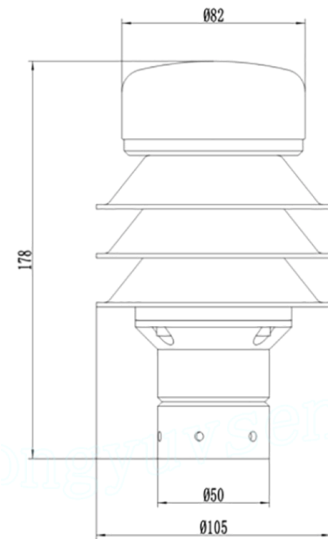## SEMR226 Radar Rainfall Monitor

OVERVIEW

SEMR226 is a sensor which uses advanced flat radar module and uses radar wave technology to detect rainfall. It can distinguish the types of rain, snow and hail and the intensity of rainfall. SEMR226 radar rain detector is more sensitive and faster than the traditional mechanical rain detection method to detect the start and end time of rain, and it does not need to worry about the influence of leaves and other objects covering the detector surface on rain detection, nor heating device to prevent icing. There are no moving parts in the SEMR226 detector, which is almost maintenance free, small in size and low in energy consumption.
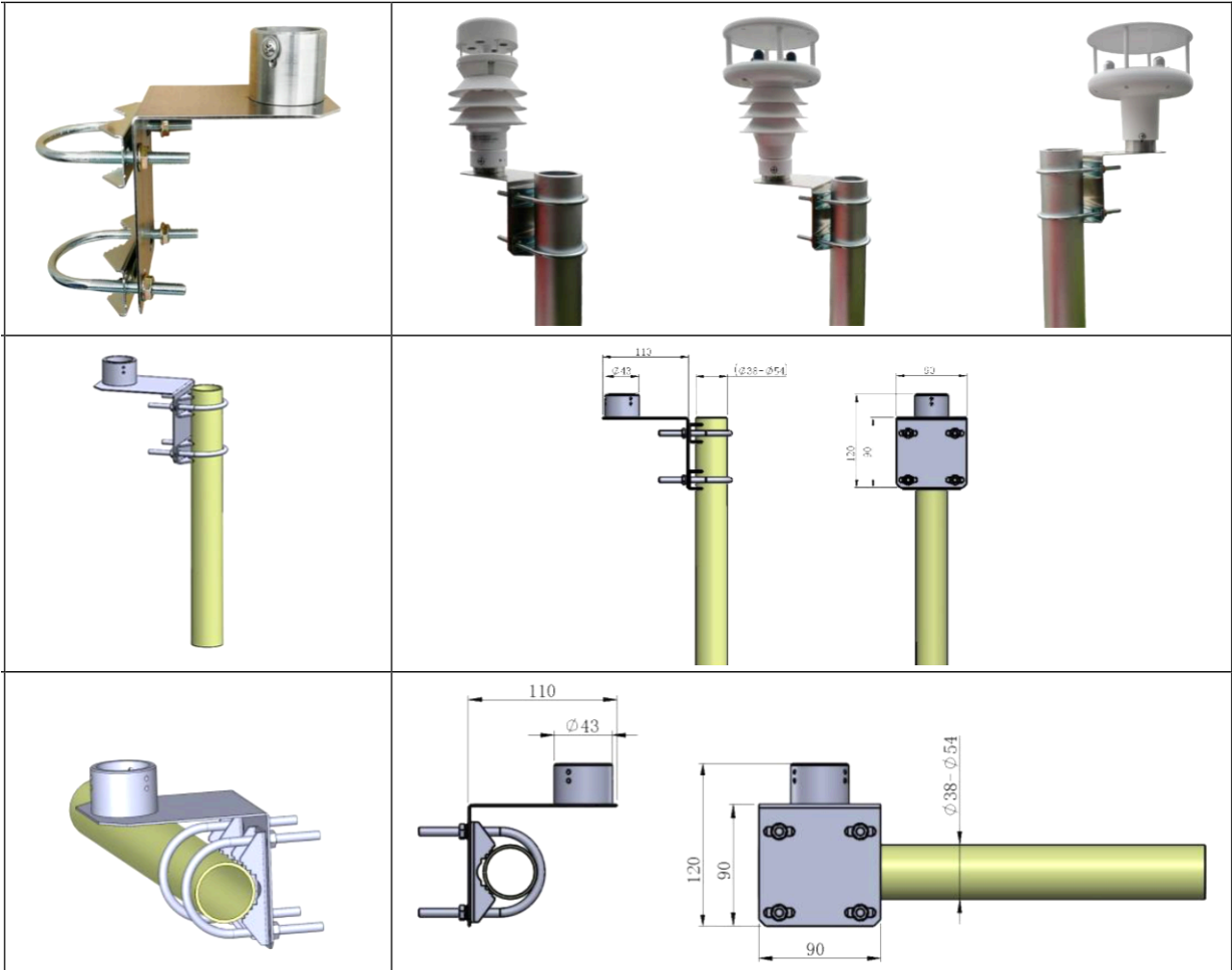
APPLICATION

- Rainfall detection of Meteorological Station
- Smart city system
- River flood control monitoring

SPECIFICATION

Type of precipitation	No precipitation, Rain,Snow,Hail
Measurement surface	8cm2
Measuring range	0.01-200mm/hour (liquid precipitation)
Accuracy	±10% of the measuredvalue for liquid precipitation
Measuring drop size range	0.5-5.0mm
Resolution	0.1mm
Sample rate	1s
Communication interface	RS485, RS232, SDI-12
Communication protocol	ModBus、NMEA-0183、ASCII
Power Supply	DC7-30V; 130mA@12V
Power consumption	1.6W
Working temperature	-40°C ~ +70°C
Working humidity	0-100%
Outline size	Ø105 * 178mm
Material	Alloy aluminum + ABS
Weight	0.65kg

INSTALLATION

L type installation

I type installation