# A70H-RF

## Instruction Manual

Pictured: A70H-RF/4

# A70H-RF

The A70H-RF Radar Rainfall Sensor is a sensor that uses radar wave technology to detect rainfall. It can distinguish the types and intensity of rain, snow and hail. Compared to that of a traditional mechanical rain gauge, the detection is more senstive and fast, and there is no need to worry about the influence of the cover of leaves and other objects on the surface of the dectoector for rainfall detection, and no need for heating device to prevent icing. There are no moving parts inside of the product, which is maintenance free, small in size and low in energy consumption.

## FEATURES

Easy Installation
High Accuracy
Maintenance Free
Compact Size
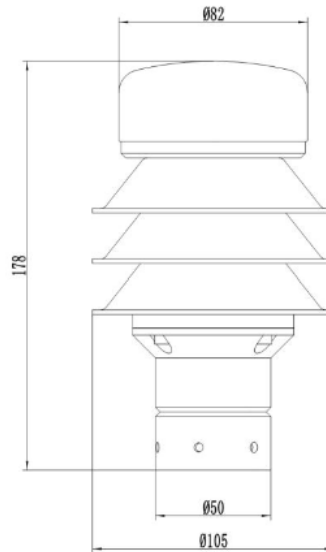Main Aluminum Alloy Material
Distinguish between rain, snow and hail

## APPLICATIONS

Flood Control
Hydrologic Monitoring
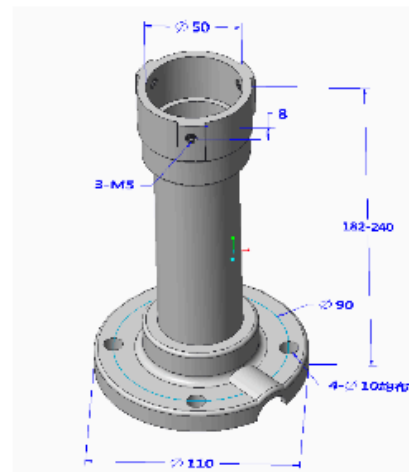Smart City
Intelligent Agriculture
Climate Research

## SPECIFICATIONS

Measurement:     Rain, Snow and Hail
Measured Rainfall Sensitivity:        0-4mm/min
Sample Interval:  1s
Resolution:         0.1mm
Acccuracy at 2mm/min:    ±5%
Power Consumption:        1.6W
Supply Voltage: 7-24 VDC
Output: RS485, SDI-12
Operating Temperature: -30ºC to 70ºC
Main Material:     Aluminum Alloy and ABS
Weight (Unpacked):         0.65 kg

Dimensions

Ø82

178

Ø50

Ø105

Installation Acessories

Ø 50

8

3-M5

182-240

Ø 90

4-Ø 10通孔

Ø 110

Optional mounting bracket

## Parameter Selection Table

| Remark | Series | Type | Output | Supply | Mounting bracket | Cable Length | |
|--------|--------|------|--------|--------|------------------|--------------|--|
| RK | | | | | | | |
| | 400 | | | | | | |
| | | 13 | | | | | |
| | | | A | | | | RS485 |
| | | | B | | | | RS232 |
| | | | C | | | | SDI-12 |
| | | | | A | | | 7-24VDC |
| | | | | X | | | Other |
| | | | | | A | | Without bracket |
| | | | | | B | | With bracket |
| | | | | | | 4000 | Units:mm（Typ.） |
| | | | | | | ... | Units:mm |

Example: RK400-13AAA4000 Output:RS485, Supply:7-24VDC, Without bracket, Cable Length:4m.

## Intensity Scale

| Rainfall intensity scale | |
|--------------------------|--|
| Scale | 24-hour rainfall(mm) |
| Light rain | 1-9.9 |
| Moderate rain | 10-24.9 |
| Heavy rain | 25-49.9 |
| Rainstorm | 50-99.9 |
| Torrential rain | 100-200 |
| Super-Torrential rain | >200 |