

GEOLOGICAL, GEOPHYSICAL,
GEOTECHNICAL SERVICES AND
INSTRUMENTS

OYO

Remote Monitoring System for Rain Gauge

i-SENSOR² Rain



< Abstract >

i-SENSOR2 (intelligent-SENSOR2) Rain is a logger consisting of a data logger and transfer unit dedicated tipping bucket type rain gauge.

Splash-proof housing and lithium batteries / C cell batteries are adopted and a storage box is not necessary. Installation work becomes easier and it leads to saving cost by reducing work load and time.

This has a warning alert function and a self-judgment function and it is available to prepare /develop an early warning system for preventing natural disasters.

< Features >

- Any type of tipping bucket type rain gauge, such as 0.2 mm, 0.25 mm, 0.5 mm and 1.0 mm, are connectable.
- Packet communication can be kept nice conditions during a disaster time.
- Measurement and data transmission interval are automatically changeable by setting threshold on the self-judgment functions.

< Specification >

- Rain Gauge
 - Counter input : 0.2 mm, 0.25 mm, 0.5 mm, 1.0 mm (settable count)
- Interface
 - USB : USB2.0 × 1 port (For conversion port between USB and RS232C)
 - Memory card : SD-card, SDHC-card
 - Communication card : SIM-card (GSM/GPRS)
- Communication (mobile phone communication)
 - Packet communication : GSM/GPRS
 - Time & position : GPS
- Power Source
 - Input voltage : DC+6 V to DC+15 V
- Data Logger
 - Data storage capacity : approx. 47,000 data
- Housing
 - Protection grade : Splash-proof
- Outer Dimension
 - Outer size : $\phi 85 \times 220$ mm (Excluding projections)
 - Weight : approx. 1 kg (Excluding internal battery)

[Example of Installation]



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Color, design and specifications are subject to change without notice

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