

Bulfro Monitech Pvt. Ltd.
**Water Sustainability
 Digital Solutions**



**RAIN GAUGE SYSTEM
 TECHNICAL
 BROCHURE**

Services:

- Product & Solution Sales
- Installation
- Data Management and Security
- Maintenance & Services
- Water Legal Compliance

| | |
|------------------------------|---|
| Types | 150mm 203mm |
| Resolution | 0.1mm Metric 0.1mm Metric |
| Siphon Threshold | Nil Nil |
| Accuracy | 1.0% upto 2"/hr 1.0% upto 2"/hr |
| Collector Diameter | 9.66" knife Edge 9.66" knife Edge |
| Funnel Diameter | 7.2" (183mm) 6.5" (172.5mm) |
| Splash Out Protection | >2" (50mm) >2" (50mm) |
| Operating Temperature | 0-50C 0-50C |
| Storage Temperature | -20C to 60C -20C to 60C |
| Humidity Limits | 0-100% 0-100% |
| Weight (Bucket) | 1.8Kg 2.1kg |
| Shipping Weight (Bucket) | 3.0 Kg 4.0kg |
| Height | 18" 20" |
| Cable | 1.0 sqmm 2 Conductor 1.0 sqmm 2 Conductor |
| Switch (Reed) | Momentary Plotted Swir=tch Momentary Plotted Swir=tch |
| Switch Rating | 5VDC @ 1AMP 5VDC @ 1AMP |
| Switch Closure Time | 120ms 120ms |
| Bounce Setting Time | 1ms 1ms |
| Pivot | Hardened Non Corrosive Pivote Hardened Non Corrosive Pivote |
| Bucket | UV Protected FRM/SS304 UV Protected FRM/SS304 |
| Level | Integrated Bubble Level Integrated Bubble Level |
| Warranty | 2 Year (Mechanical Parts) 2 Year (Mechanical Parts) |
| Sensor Output | |
| | Output Digital, Analog |
| Analog Output | 2.5V FS |
| Digital Output | Frequency Count |

| SrNo. | Model | Description |
|-------|------------------------------|--|
| 1 | BARG-FBk-2101 Bulfro Make | Automated Rain Gauge ,Full FRP Body and Plastic manual beaker 1mm resolution (10ml of water qty) |
| 2 | BARG-FTB-nTG-Bulfro Make | Automated Rain Gauge ,Full FRP Body and Tipping Bucket 2001 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with non Telemetry & Grid Powered with battery backup |
| 3 | ARG-FTB-nTS-Bulfro Make | Automated Rain Gauge ,Full FRP Body and Tipping Bucket 2001 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with non Telemetry & Solar Powered with battery backup |
| 4 | BARG-FTB-TG-2001 Bulfro Make | Automated Rain Gauge ,Full FRP Body and Tipping Bucket 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with Telemetry & Grid Powered with battery backup |
| 5 | BARG-FTB-TS-2001 Bulfro Make | Automated Rain Gauge ,Full FRP Body and Tipping Bucket 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with Telemetry & Solar Powered with battery backup |
| 6 | BARG-SBk-2101 Bulfro Make | Automated Rain Gauge, Full SS304 Body and Plastic manual beaker 1mm resolution (10ml of water qty) |
| 7 | BARG-STB-nTG-Bulfro Make | Automated Rain Gauge, Full SS304 Body and Tipping Bucket 2001 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with non Telemetry & Grid Powered with battery backup |
| 8 | BARG-STB-nTS-Bulfro Make | Automated Rain Gauge Full SS304 Body and Tipping Bucket 2001 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with non Telemetry & Solar Powered with battery backup |
| 9 | BARG-STB-TG-2001 Bulfro Make | Automated Rain Gauge ,Full SS304 Body and Tipping Bucket 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with Telemetry & Grid Powered with battery backup |
| 10 | BARG-STB-TS-2001 Bulfro Make | Automated Rain Gauge ,Full SS304 Body and Tipping Bucket 0.2/0.5mm Resolution (Suitable for 250mm/hr. Rainfall) with Telemetry & Solar Powered with battery backup |

FEATURES

- Knife Edge Collector
- Integral Bubble Level
- logging in any Rainfall Data Logger (3rd party interface available)
- Transmission by Radio Reporting
- Rain gauge (GSM/GPRS)
- Native display also available
- Option of heater for snowy areas available

SIZES & ACCURACY

1% for 12"/hr.

Tipping Bucket Rain gauge,
bucket capacity 0.2mm, bucket
type non-hydroscopic SS304/FRP
stabilized

CALIBRATION

Rainfall (mm) = B x N

N = Raw Data Reading from a
logger

B = Multiplier

Note: Calibration varies from sizes

APPLICATION

Standard rain falls measurement and precipitation in rainfall and unattended remote areas. Operates on tipping bucket principle, Boundary Layer Research, Watershed Management, Solar Energy, Ground Water Management Systems.

INSTALLATION

Installation & Maintenance

Option 1 : Mounting Bracket as per requirement

Option 2: mounting bracket with Stand Pole
Maintenance consists of routine cleaning from the filter screen

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