



Casella STORM Guardian



Remote rainfall monitoring made simple

STORM Guardian is an early warning system that mitigates the risk to lives from the increasing incidence of high intensity rainfall and flash flooding.

Applications

Real or near real time

- Flood forecasting & warning
- Weather forecasting
- Water resource operation
- Environmental protection and improvement
- Waste water treatment
- Agriculture
- Radar adjustment

Key features

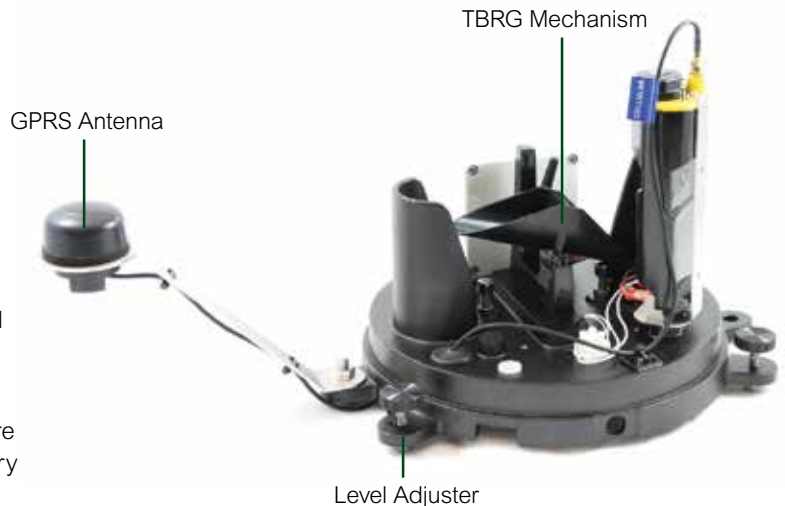
- Collect rainfall data remotely
- Fully integrated system
- GSM/GPRS Telemetry
- Email & Text alarms (optional)
- Up to 7 years battery life
- Ultra low power, no need for solar panels
- Quick & simple to install, low installation costs
- Field replaceable battery packs
- Rugged non corrosive construction
- Minimum maintenance

Accurate and Precise Measurements

The Storm features a Tipping Bucket Rain Gauge (TBRG) mechanism, purposefully made from light weight injection moulded plastic and stainless steel pins, to reduce the likelihood of friction. This is achieved by creating a rolling motion rather than a pivoting motion when the bucket tips through the use of the stainless steel pins.

The tipping bucket mechanism is mounted on a cast aluminium-alloy base, which incorporates a built-in spirit level to achieve correct and accurate positioning of the bucket.

To withstand the elements the TBRG is made from entirely non-corrosive materials. The base, septum ring and funnel are all aluminium alloy, protectively coated. The logger and battery are both IP65 to prevent water ingress.



Remote Data Access From Anywhere

The Storm has an inbuilt logger and battery that will operate in remote conditions for up to 7 years.* Data is accessed from the 'Time view' website, see the pictures displayed on the right. Timeview has the following benefits:

- Collects data from any remote TBRG
- Show network sites from Google Maps
- Flexible graphical display features
- Tabular display of logged readings
- Export data to database, .CSV or .XML formats
- GPRS connectivity - no need to poll sites via PC modem
- Alarm handling and forwarding of emails
- Remote logger set-up and configuration

* depending on rainfall intensity and dial in frequency



Technical Specification

Bucket size:	0.1mm, 0.2mm, 0.5mm
Aperture:	400 cm ²
Accuracy:	±2% at 1 litre/hour
Transducer:	Magnet/Reed switch
Operating temp range:	1°C to 85°C
Weight:	4.5Kg
Battery life:	Up to 7 years
SIM Card:	Data enabled GPRS (Not included)

Ordering Information

Part Number:	103771D	0.1mm
	103772D	0.2mm
	103775D	0.5mm

Accessories

B158	Battery single cell
LOG8	Replacement logger
CMC92	3m Antenna extension cable

Casella

Regent House,
Wolseley Road,
Kempston,
Bedford MK42 7JY.
United Kingdom
Tel: +44 (0) 1234 844100
Fax: +44 (0) 1234 841490
Email: info@casellameasurement.com
Web: www.casellameasurement.com

Casella Inc.

415 Lawrence Bell Drive, Unit 4
Buffalo,
NY 14221
USA
Toll Free: (800) 366-2966
Tel: (716) 276 3040
Fax: (716) 276 3043
Email: info@casellaUSA.com

Ideal Industries India Pvt.Ltd.

229-230, Spazedge,
Tower -B Sohna Road,
Sector-47, Gurgaon-122001,
Haryana (India)
Tel: +91 124 4495100
E-mail: Sanjeev.Munjal@ideal-industries.in

Ideal Industries China

Room 1702, Citychamp Building, No.12 Tai
Yang Gong Zhong Lu, Chao Yang District,
Beijing 100028,
China
Tel: 8610-85183141
Fax: 8610-84298061
Email: info@casellameasurement.cn

Distributed by

SM13001 v1.0