

TIPPING BUCKET RAIN GAUGES AND ELECTRIC RAIN/SNOW GAUGES

RG-2500 Series



- ✓ Choose from 20 and 30 cm (8 and 12") Orifice
- ✓ Heated Models Available for Snowfall Collection

The RG-2500 tipping bucket rain gauge is a dependable instrument used for measuring precipitation. Rainfall that enters the 20 or 30 cm (8 or 12") funnel collector is directed to the tipping bucket assembly. When an incremental amount of precipitation has been collected (e.g. 0.01" or 1mm) the bucket assembly tips and activates a magnetic reed switch. The sample is discharged through the base of the gauge. A momentary electrical contact is provided for each increment of rainfall. The contact closure is used to operate a data acquisition system.

RG-2500E gauges are used where 115 Vac is available and precipitation is often in the form of snow. A 400 Watt heating kit is added to the basic RG-2500 rain gauge to provide capability for measuring snowfall.

SPECIFICATIONS

Capacity: Unlimited

Orifice Size:

RG-2500, RG-2500E: 20 cm (8")

RG-2500-12, RG-2500E-12:
30 cm (12")

Accuracy:

RG-2500: $\pm 1\%$ at 5.1"/hr

RG-2500-12: $\pm 1\%$ at 2.3"/hr

Switch: 3 W, 24 Vdc, 0.25 A maximum

Sensitivity: 0.01" or 1 mm per tip

Dimensions:

RG-2500, RG-200E:

203.2 Dia. x 431.8 H mm (8 x 17")

RG-2500-12, RG-2500E-12:

508 H x 304.8 mm Dia. (20 x 12")

Weight:

RG-2500: 3.2 kg (7 lb)

RG-2500E: 5.4 kg (12 lb)

RG-2500-12: 6.4 kg (14 lb)

RG-2500E-12: 7.7 kg (17 lb)



To Order

Model No.	Description
RG-2500	Rain gauge 20 cm (8") orifice, tips at 0.01"
RG-2500-12	Rain gauge 30 cm (12") orifice, tips at 0.01"
RG-2500E	Heated rain gauge 20 cm (8") orifice, tips at 0.01"
RG-2500E-12	Heated rain gauge 30 cm (12") orifice, tips at 0.01"
RG-2500M	Rain gauge 20 cm (8") orifice, tips at 1 mm
RG-2500M-12	Rain gauge 30 cm (12") orifice, tips at 0.25 mm
RG-2500ME	Heated rain gauge 20 cm (8") orifice, tips at 1 mm
RG-2500ME-12	Heated rain gauge 30 cm (12") orifice, tips at 0.25 mm

ACCESSORIES

Model No.	Description
RG-2595	Rain gauge calibrator
RG-952	Rain gauge wind screen with 24" legs
RG-2500-MP	8" rain gauge mounting plate
RG-2500-MP-12	12" rain gauge mounting plate
OM-CP-EVENT101 A	Event data logger

Comes complete with 7.6 m (25') signal cable, mounting feet, and operator's manual. Heated units also include 7.6 m (25') power cable.

Ordering Examples: RG-2500E, heated rain gauge with 20 cm (8") orifice.

RG-2500M-12, rain gauge, 30 cm (12") with RG-2595, rain gauge calibrator.

RG-2500, 20 cm (8") orifice rain gauge with OM-CP-EVENT101A, event data logger.