



RIMCO 7499 BOM

Professional Grade Tipping Bucket Rain Gauge



Designed to Australian Bureau of Meteorology Standards

Designed and constructed for long-term operation with minimal maintenance

Overview

The RIM-7499-BOM, designed to Australian Bureau of Meteorology requirements, is a professional grade tipping bucket rain gauge with 8" (203mm) diameter collecting funnel and 0.2mm tip. It utilises a cast metal base, spun copper collecting funnel with machined gunmetal rim and gold plated tipping bucket to provide a proven accuracy of +/-

1% at rainfall intensities up to 250mm per hour and +/- 3% at rates up to 500mm per hour. Can be ground mounted or mounted on galvanised pipe using Campbell Scientific's CM240 rain gauge mount. Other bucket sizes are available on request.

Benefits and Features

- › Rugged and corrosion resistant constructions
- › Low friction, non-seizing bucket bearings
- › Gold plated buckets for minimal retention
- › Dual reed switch output
- › Stable calibration
- › Built-in bubble level and adjustable feet
- › Optional self powered internal counter
- › Optional heater for operation below -30°C
- › Built-in bubble level
- › Low friction, non-seizing bearings
- › Rugged, corrosion resistant construction

Mounting

A rugged mounting pedestal that elevates the collection RIM 1m above ground level.

Specifications

- › Receiving Collector Diameter: 203 (8") \pm 0.2mm
- › Accuracy: \pm 1% to 200mm/Hr
 \pm 3% to 380mm/Hr
- › Resolutions Available: 0.2, 0.25, 0.5mm (and 0.01", 0.02" to special order)
- › Contacts: Two normally open magnetically actuated reed switches, individual MOV protection built-in
- › Reed Switch Rating: 50V AC/DC at 0.5A non-inductive
- › Closure Timing: 50 milliseconds min., 150 milliseconds max
- › Max Bounce Time: 0.75 milliseconds up to 50mm/Hr
- › Termination: Screw termination (2.5mm²) and 4.88mm male spade terminations on the Reed Switch Holder
- › Dimensions: 300mm height
230mm body diameter
280mm base diameter
- › Physical: 5.5kg net weight
7.0kg shipping weight
330x330x430mm packing carton

Heating options:

- › 12 or 24 AD/DC (48W max) operation with electronic thermostatic control (P/N 7499-TCH)
- › Isolated power supplies to allow operation from 110V AC or 220V AC, 50/60Hz are also available (P/N 7499TX12 or P/N 7499TX24)
- › Counter Option: Liquid Crystal 6 Digit Counter (self powered) installed within the body of the rain gauge (P/N 7499LCD)

Ordering information:

- › RIM7499020 0.2mm bucket
- › RIM7499025 0.25mm bucket
- › RIM7499050 0.5mm bucket
- › RIM7499100 1.0mm bucket

Order options as required. Non-siphon versions are also available with differing accuracy specifications. RIMCO rain gauge models are also available with 200cm², 400cm² and 300mm (12") diameter receiving collectors.

For comprehensive details, visit: www.campbellsci.com.au/rim7499-bom 



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