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DATASHEET

QMR101

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Rain Gauge QMR101M



Vaisala Rain Gauge QMR101M is a durable solution for gathering accurate precipitation data with Vaisala TacMet™ Tactical Meteorological Observation System MAWS201M.

Portable rain gauge

Due to its small size, weight, and rugged design, QMR101M is especially suitable for portable applications and temporary installations. It is economical as well as accurate.

The rain gauge uses the self-emptying tipping spoon mechanism to measure the collected rain at 0.2-millimeter (0.008-inch) accuracy level.

For harsh conditions

Manufactured from UV-resistant plastic, QMR101M is a very rugged instrument that can withstand frost and icy conditions.

The rain gauge is installed on a support arm and delivered with a ready-made 1-meter (3-foot 4-inch) connector cable.

Features

- Provides accurate precipitation data
- Weatherproof
- Enclosure from corrosion and UV-resistant plastic
- Suitable for temporary installations

Technical data

Measurement performance

Sensor/Transducer type	Self-emptying tipping spoon/magnet
Sensitivity	0.2 mm (0.008 in)
Capacity	144 mm/h (5.67 in/h)
Accuracy	< 24 mm/h (0.94 in/h): < ±5 % < 120 mm/h (4.73 in/h): < ±10 %

Compliance

EU directives and regulations	EMC Directive (2014/30/EU) RoHS Directive (2011/65/EU) as amended by 2015/863
Electromagnetic compatibility (EMC)	EN 61326-1:2013
Compliance marks	CE

Mechanical specifications

Funnel diameter	159.6 mm (6.28 in)
Orifice area	200 cm^2 (31 in^2)
Material	UV-stabilized plastic
Connector	Alden Pulse-Lok® V1, V114, 4P
Cable	1 m (3 ft 4 in)
Weight	0.380 kg (0.84 lb)

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