

Stand Alone Rain Collectors

6463M & 6465M

0,2 mm increments



The Rain Collector is designed to meet the guidelines of the World Meteorological Organization. Rain enters the collector cone, passes through a debris-filtering screen, and collects in one chamber of the tipping bucket. The bucket tips when it has collected an amount of water equal to the increment in which the collector measures (0,2 mm). As the bucket tips, it causes a switch closure and brings the second tipping bucket chamber into position. The rain water drains out through the screened drains in the base of the collector.

The collector is designed for years of accurate, trouble-free service. The body and base of the collector are constructed of tough, UV resistant plastic; the tipping bucket pivots on bearings that minimize friction and wear. Stainless steel adjustment screws under each chamber of the tipping bucket allow you to fine-tune the calibration of the Rain Collector.

The 6465M rain collector comes with a mounting base that can be mounted to a pole or post. The 6463M model has a flat surface mount. 6465M and 6463M are factory-calibrated to report 0,2 mm per tip. The Rain Collector Heater is not compatible anymore with the new AeroCone design. If a heater is wanted, the Model 7721 with cylindrical collector has to be acquired.



AeroCone Rain Collector : New Design / Perfect Placement

New rain cone designed for even more accurate data in especially high winds!

Takes the place of the rain collector on a Vantage Pro2 sensor suite for a siting that requires separation of the rain collector and temperature/humidity sensor.

Specifications

Sensor Type	Tipping bucket with magnetic switch
Accuracy	For rain rates up to 100 mm/hr : $\pm 4\%$ of total or ± 1 tip of the bucket (0,2 mm), whichever is greater
Attached Gable Length	12 m
Gable Type	4-conductor, 0,13 mm ²
Connector.	Modular connector (RJ-11)
Recommended Maximum Gable Length	270 m
Housing Material	UV-stabilized ABS plastic
Dimensions	
Rain Collector	16,5 cm opening diameter x 24 cm high without bird spikes
Collection Area	214 cm ²
Weight	
6463M	1 kg
6465M	1,5 kg

Input / Output Connections

Black	Unused
Red	Switch terminal
Green & Yellow	Switch terminal

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
6463M	219 mm x 223 mm x 280 mm	1,5 kg	011698 78520 9
6465M	286 mm x 241 mm x 280 mm	1,9 kg	011698011421



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