

Stand Alone Rain Collectors



6464 & 6466

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 the tipping spoon. The spoon tips when it has collected an amount of water equal to the increment in which the collector measures (0.01" or 0.2 mm). As the spoon tips, it causes a switch closure. 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 shape is aerodynamically designed to minimize rainfall catch reduction caused by high winds. The body and base of the collector are constructed of tough, UV resistant plastic.

The 6466 rain collector comes with a mounting base that can be mounted to a pole or post. The 6464 model has a flat surface mount. 6466M and 6464M are factory-calibrated to report 0.2 mm per tip.

Specifications

Sensor Type	Tipping spoon, 0.01" per tip for US versions, 0.2 mm for metric versions, 33.2 in ² (214 cm ²) collection area
Attached Cable Length	40' (12 m)
Cable Type	4-conductor, 26 AWG
Connector	Modular connector (RJ-11)
Recommended Maximum Cable Length	900' (270 m)
Housing Material	UV-stabilized ABS plastic
Dimensions	
Rain Collector	6.5" opening diameter (16.5 cm) x 9.5" (24 cm) high without bird spikes
Collection Area	33.2 in ² (214 cm ²)
Weight	
6464	2 lbs. 3 oz. (1 kg)
6466	3 lbs. 14 oz. (1.8 kg)
Rainfall Accuracy	For rain rates up to 10"/hr (250 mm/hr): ±3% of total or ± one tip of the spoon (0.01"/0.2mm), whichever is greater.
Rain Rate Accuracy	±5% for rain rates up to 10"/hr (250 mm/hr)
Rain Rate Resolution	0.01" or 0.1 mm (user-selectable)

Input/Output Connections (See the label on the side of the tipping spoon to verify version)

7345.439 Rain Module (0.2 mm) → 123456 AB123 Version A (no letter before code) Version A Red Switch terminal Green & Yellow Switch terminal Black Unused	7345.439 Rain Module (0.2 mm) → B123456 AB123 Version B ("B" before code) Version B Red Switch terminal Black Switch Terminal Green & Yellow Unused
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Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
6464	8.6" x 8.6" x 11.0" (218 mm x 218 mm x 280 mm)	2.3 lbs. (1.0 kg)	011698013326
6466	11" x 9.0" x 10.0" (280 mm x 229 mm x 254 mm)	3.9 lbs (1.8 kg)	011698013340