

Isco 674 Rain Gauge

Connects directly to 6712 and Avalanche™ Samplers, 4200 Flow Meters, and 4100 Flow Loggers

The Isco 674 Rain Gauge is a precision instrument that uses a tipping bucket design for rainfall measurement. It has an 8-inch diameter orifice and is factory-calibrated to tip at either 0.01 inch or 0.1 mm of rainfall. With a 674 Rain Gauge connected, an Isco flow meter or sampler will:

- ◆ Store rainfall data in internal memory for retrieval and analysis with Isco Flowlink® Software
- ◆ Activate sampling based on rainfall
- ◆ Plot graphs and print reports of rainfall data on the flow meter's built-in printer



The 674 rain gauge features a precision tipping bucket and 3-point leveling system for easy setup.

Applications

- ◆ Stormwater runoff monitoring
- ◆ TMDL and Watershed surveys
- ◆ Inflow and infiltration studies
- ◆ cMOM and CSO/SSO programs (Sewer overflow monitoring and prevention)
- ◆ General rainfall measurement

Standard Features

- ◆ Three-point leveling and integral bubble level make it easy to align the rain gauge for maximum accuracy.
- ◆ Sapphire jewel bearings on the tipping bucket are spring-loaded to prevent damage to the bearings and ensure consistent operation over a wide temperature range.
- ◆ Screens cover all openings to prevent leaves, insects, and other debris from clogging the gauge.
- ◆ Included 50-foot cable connects directly to compatible Isco flow meters and samplers.



A 674 rain gauge connected to an Isco 6712 or Avalanche sampler is ideal for collecting rainfall data as well as runoff-triggered samples at remote monitoring sites.

Specifications

Isco 674 Rain Gauge	
Type:	Tipping bucket
Compatible equipment:	Isco 6700, 6712, and Avalanche Samplers, 4200 Series Flow Meters, 4100 Series Flow Loggers
Connect cable:	50 ft. (15.2 m), 2 conductor with 4-pin plug
Bearings:	Spring-loaded sapphire jewel
Orifice Diameter:	8 in. (20 cm)
Sensitivity:	English - 0.01 inch; Metric 0.1 mm
Accuracy:	English - $\pm 1\%$ at 2 in/hour; $+3\%/ -4\%$ up to 5 in/hour Metric - $\pm 1.5\%$ at 5 cm/hour; $+3.5\%/ -9\%$ up to 13 cm/hour
Capacity:	English - 22 inches/hour Metric - 38 cm/hour
Output Signal:	Contact closure of at least 50 millisecond duration
Switch Type:	Hermetically sealed magnetic proximity switch. Normally open, 200V DC, 0.5 A maximum.
Height:	13 in. (33 cm)
Diameter:	9.5 in. (24 cm) (at mounting base)
Weight:	10 lbs. (4.5 kg)
Operating Temperature:	32° to 140°F (0° to 60°C)
Storage Temperature:	-40° to 140°F (-40° to 60°C)



The 674 Rain Gauge connects to any 6700 Series or Avalanche Sampler, 4200 Series Flowmeter, or 4100 Series Flow Logger. Rainfall data logged on the host instrument can be analyzed with Flowlink Software.

Ordering Information

The 674 rain gauge includes a 50 ft (15 m) cable for connection to an Isco 6700, 6712, or Avalanche Sampler, 4200 Series Flow Meter, or 4100 Series Flow Logger. Specify English or Metric version.

Description	Part Number
674 Rain Gauge	
English - Tips every 0.01 inch of rainfall	60-3284-001
Metric - Tips every 0.1 mm of rainfall	68-3280-001



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