

674

Rain Gauge

Precise Rainfall Information to Help Manage Your Weather or Storm Water Programs.

When interfaced with a Teledyne ISCO 6712 or Avalanche sampler, 2105 or Signature flowmeters, the sampler/flowmeter will collect and record the rainfall data from the 674 Rain Gauge, as well as, runoff-triggered samples at monitoring sites.

Connect the 674 Rain Gauge with a Teledyne ISCO 2100 series modem and receive text notifications when the rainfall amount reaches a predetermined level.

Partner the 674 Rain Gauge with a Teledyne solar panel or battery pack and the system can be placed in remote areas to monitor and accurately record rainfall rate and totals.

Combined with the 674 Rain Gauge, a Teledyne ISCO flowmeter or sampler will also:

- Store rainfall data in internal memory for retrieval and analysis with Teledyne ISCO Flowlink® Software, or downloaded as a .csv file
- Activate sampling based on rainfall



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



Applications:

- Stormwater runoff monitoring
- Inflow and infiltration studies
- Combined sewer overflow monitoring
- cMOM and CSO/SSO programs (Sewer overflow monitoring and prevention)
- General rainfall measurement

Standard Features:

- 8-inch diameter opening and is factory-calibrated to tip at either 0.01 inch or 0.1 mm of rainfall.
- 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 Teledyne ISCO flowmeters and samplers.

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Type:	Tipping bucket
Compatible equipment:	6712, and Avalanche Samplers, Signature, and 2105Ci/Gi 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 in 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 in/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)

Ordering Information

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English units—tips every 0.01 in. of rainfall 60-3284-001

Metric units—tips every 0.1 mm of rainfall 68-3280-001

The 674 rain gauge includes a 50 ft (15 m) cable for connection to a 6712, or Avalanche Sampler, Signature, or 2105Ci/Gi flow loggers. Specify English or Metric version.

Teledyne ISCO

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Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.

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