

# 674

## Rain Gauge

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

The Teledyne ISCO 674 Rain Gauge is a precision instrument that uses a tipping bucket design for accurate 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, a Teledyne ISCO flow meter or sampler will:

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



*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
- 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 Teledyne ISCO flowmeters and samplers.

## 674 Rain Gauge

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

## Ordering Information

### 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

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