

 **Met One Instruments, Inc.**

## 370D-380D Precipitation Gauges

**370D-380D Series all-metal precipitation gauges measure rain and/or snow in all environments using a tipping bucket mechanism.**

The economical tipping bucket design allows accurate, repeatable measurements, requiring no regular maintenance. Each model is optimized to meet particular site and sampling requirements and exceeds EPA specifications. New D series replaces jewel bearings with steel rollers for improved reliability.

### Features

- Self-emptying, dual chambered tipping bucket
- Jeweled bearings reduce wear and friction
- Funnel screen system prevents debris from clogging gauge
- Stainless steel, Teflon coated bucket
- Corrosion resistant materials throughout
- Bubble level & adjustable feet assure proper mounting
- Optional heating elements for frozen conditions



### Applications

- Ambient Air Monitoring
- Environmental Surveys
- Government

Specifications

370D-380D Precipitation Gauges

Precipitation Gauges

MODEL NUMBER	FUNNEL DIAMETER	STANDARD CALIBRATION	OPTIONAL CALIBRATION
370D	8 inch (20.3 cm)	0.01 in	0.2 or 0.25 mm
372D	8 inch (20.3 cm)	0.5 mm	N/A
380D	12 inch (30.5 cm)	0.01 in	0.2 or 0.25 mm
382D	12 inch (30.5 cm)	0.1 mm	N/A

Precipitation & Snow Gauges

MODEL NUMBER	FUNNEL DIAMETER	STANDARD CALIBRATION	OPTIONAL CALIBRATION	POWER REQUIREMENT
375	8 inch (20.3 cm)	0.01 in	0.2 or 0.25 mm	115 VAC, 315 watts
376	8 inch (20.3 cm)	0.01 in	0.2 or 0.25 mm	220 VAC, 315 watts
377	8 inch (20.3 cm)	0.5 mm	N/A	115 VAC, 315 watts
379	8 inch (20.3 cm)	0.5 mm	N/A	220 VAC, 315 watts
385	12 inch (30.5 cm)	0.01 in	0.2 or 0.25 mm	115 VAC, 315 watts
386	12 inch (30.5 cm)	0.01 in	0.2 or 0.25 mm	220 VAC, 315 watts
387	12 inch (30.5 cm)	0.1 mm	N/A	115 VAC, 315 watts
389	12 inch (30.5 cm)	0.1 mm	N/A	220 VAC, 315 watts

Heaters: Funnel 240 watts, composite with built-in thermostat Base 75 watts, composite with built-in thermostat

Thermostat Set Point: Funnel and base heater 40°F (4.4°C)

Common Specifications To All 370D-380D Series Gauges

Operating Temperature: -58°F to 122°F (-50°C to +50°C)

Accuracy: ±0.5% at 0.5"/hr, ±1" - 3"/hr

Switch: Reed switch rated at 10 mA, 28 VDC (maximum)

Physical Characteristics

Height: 8 inch 18 in (46 cm)

12 inch 20.5 in (52 cm)

Weight: 8 inch Precipitation 6 lbs (2.7 kg)

(not including cabling) 12 inch Precipitation 7.5 lbs (3.4 kg)

8 inch Precipitation/Snow 12 6.5 lbs (3 kg)

inch Precipitation/Snow 11.5 lbs (5.2 kg)

Finish: White gloss textured powder coat and clear anodized aluminum

Accessories

PN 820440: Wind Screen

The improved Alter-design screen is constructed of 32 free-swinging leaves, greatly improving the accuracy of the catchment by reducing local turbulence.

Cable (for Models 375D-389D)

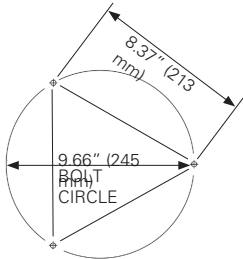
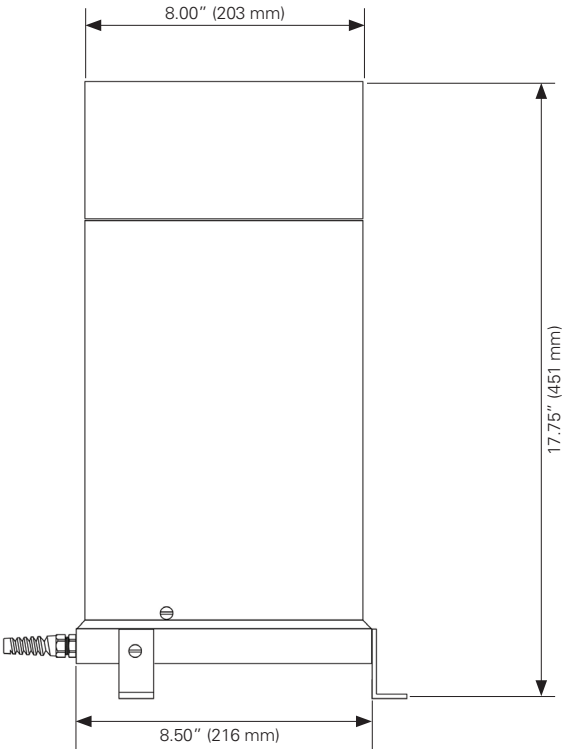
PN 1566 Signal Cable Assembly; specify length in feet or meters Power Cable

PN 2517 Assembly; specify length in feet or meters

Ordering Information

Specify model number, calibration factor, cable length(s), and accessories

Specifications are subject to change at any time.



HOLE PATTERN IN BASE FOR 1/4" (6.35 MM) MOUNTING BOLTS THROUGH LEGS