

### Barometers

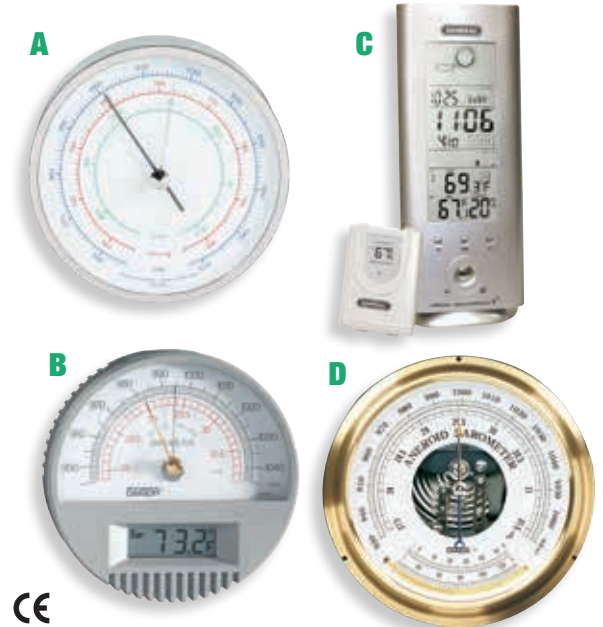
**Don't let pressure get to you—monitor it easily**

**A. Cole-Parmer® Three-Scale Dial Barometer** measures atmospheric pressure in millibar (mbar), inches Hg, and mm Hg. The barometer is housed in a corrosion-proof nickel-chrome case. Set the adjustable pointer to measure changes in pressure. Includes NIST-traceable calibration report as supplied by the manufacturer.

**B. Oakton® Barometer with Digital Thermometer** measures atmospheric pressure and temperature. Barometer is encased in corrosion-resistant ABS plastic housing. Operates on one AA battery (included).

**C. Digital Barometer and Weather Forecaster** simultaneously displays temperature, relative humidity, graphic weather prediction, atmospheric pressure, and pressure trends over the last 12 hours. Unit also predicts the weather condition of the next 12 to 24 hours. A remote sensor measures outdoor temperature. Operates on two AA batteries. Remote unit operates on two AAA batteries.

**D. Oakton® Temperature-Compensated Barometers** measure atmospheric pressure in millibar (mbar) and inches Hg or millibar and mm Hg. Barometers also monitor temperature and provide temperature compensation with a built-in, bi-metal thermometer.



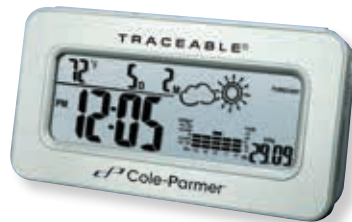
Parameter	Range	Resolution	Accuracy	Catalog number	Price
<b>A. Cole-Parmer three-scale dial barometer</b>					
Atmospheric pressure	954 to 1073 mbar, 28.1 to 31.7" Hg, 715 to 805 mm Hg	0.5 mbar, 0.05" Hg, 1 mm Hg	±0.5% of reading	<a href="#">GY-99760-50</a>	
<b>B. Oakton barometer with digital thermometer</b>					
Atmospheric pressure, temperature	945 to 1045 mbar, 27.9 to 30.9" Hg; -4 to 140°F (-23 to 60°C)	0.5 mbar, 0.1" Hg; 0.1°F (0.1°C)	±1 mbar (±0.03" Hg) <sup>1</sup> ±1.8°F (±1.0°C)	<a href="#">GY-03316-80</a>	
<b>C. Digital barometer and weather forecaster</b>					
Atmospheric pressure	795 to 1050 mbar, 23.48 to 31.01" Hg	0.3 mbar, 0.03" Hg	±1.5 mbar, ±0.15" Hg	<a href="#">GY-90080-08</a>	
Temperature (indoor)	32 to 104°F (0 to 40°C)	0.1°F/C	±1.8°F (±1°C)		
	104 to 122°F (40 to 50°C)		±2.7°F (±1.5°C)		
Temperature (outdoor)	-4 to 104°F (-20 to 40°C)	0.1°F/C	±1.8°F (±1°C)		
	104 to 140°F (40 to 60°C)		±2.7°F (±1.5°C)		
Humidity	20 to 99% RH	1% RH	±5% RH		
<b>D. Oakton temperature compensated barometers</b>					
Atmospheric pressure, temperature	930 to 1070 mbar, 27.5 to 31.6" Hg; -14 to 122°F (-10 to 50°C)	1 mbar, 0.1" Hg; 1.0°F (1.0°C)	±1 mbar, ±0.03" Hg; ±1.8°F (±1°C)	<a href="#">GY-03316-70</a>	
	930 to 1070 mbar, 698 to 802 mm Hg; -10 to 50°C	1 mbar, 1 mm Hg; 1.0°C	±1 mbar, ±1 mm Hg; ±1°C	<a href="#">GY-03316-72</a>	

<sup>1</sup>The accuracy for model 03316-80 is ±1 mbar (±0.03" Hg) between 970 to 1030 mbar; ±2 mbar (0.06" Hg) between 945 to 969 mbar and 1031 to 1045 mbar.

### Workstation Barometer with Clock

Identify trends easily—symbols for sunny, cloudy, and rainy

- Adjustable altitude compensation
- Forecast weather conditions for the next 12 hours
- Select either 12 or 24 hour format



**What's included:** batteries, and NIST-traceable report supplied by the manufacturer.



### Cole-Parmer® Clear Rain Gauges

No more guessing about rainfall

Measure accumulated precipitation with these clear buterate cylindrical rain gauges. Area ratio between knife-edge funnel and inner receiver is 10 to 1; inner receiver has molded-on graduations for easy reading.

**What's included:** buterate mounting bracket, screws, data recording sheet for logging rainfall data up to one year.



#### Specifications

**Barometric range:** 23.62 to 31.01" Hg / 800 to 1050 mbar  
**Temperature range:** -58 to 158°F (-50 to 70°C)

Description	Catalog number	Price
Workstation barometer with clock	<a href="#">GY-90080-07</a>	

Units	Range	Accuracy	Catalog number	Price
English	0.01 to 11.0"	±0.01"	<a href="#">GY-03319-00</a>	
Metric	0 to 25.2 cm	±0.2 mm	<a href="#">GY-03319-10</a>	

## Portable Solar-Powered Weather Station

### Get readings in remote areas

- Log up to one year of weather measurements
- Records barometric pressure, temperature, humidity, dew point, wind direction, wind speed, rain fall, and solar radiation

Program the sample rate from once a minute to once an hour. At one sample per hour, the data logger will store over one year of measurements. Download data to a laptop for evaluation with included software and RS-232 interface. Weather station fits into rugged transport case.

**What's included:** solar-powered sensor/data logger assembly, battery charger, compass, ten-foot tripod, tie-down hardware, software and RS-232 cable, and a carrying case.



Rugged carrying case protects weather station during transport.

### Specifications

**Power:** solar power/battery supply

Description		Portable Solar Powered Weather Station	
Catalog number		GY-99755-06	
Parameter	Range	Accuracy	
Barometric pressure	10.2 to 37.4" Hg (200 to 1100 mbar)	±0.01" Hg (±0.5 mbar)	
Temperature	–66 to 150°F (–54 to 65°C)	±2.0°F (±1.0°C)	
Relative humidity	0 to 100%	±2%	
Dew point	–40 to 110°F (–40 to 43°C)	±4.0°F (±2.0°C)	
Wind	Direction	0 to 360° (10° resolution)	
	Speed	0 to 150 mph; 0 to 130 knots; 0 to 67 m/s; 0 to 240 km/hr	
Rain fall	Unlimited tipping bucket with 8" (20.3 cm) dia	±2.0% at 1.0"/hr	
Solar radiation	0 to 2,000 w/m <sup>2</sup>	3 to 5%	
<b>Price</b>			

**GY-17100-01** NIST-traceable calibration with test data for weather station

## Professional Wireless Weather Stations

### Get 12- to 24-hour weather forecast

- Radio-controlled clock with alarms and snooze functions
- Measure and display wind speed and direction, wind chill, dew point, rainfall amounts, and barometric pressure
- Monitor indoor and outdoor temperature and humidity conditions
- Use a remote sensor up to 328 feet (100 meters) away from the display station

Versatile stations feature a 24-hour barometric pressure history chart, manual altitude adjustment, calendar/clock, and programmable alarm functions, such as temperature alarm and storm warning. Time is automatically set to the US atomic clock. Backlit display makes results easy to view, even in low or dark lighting. Order data logging model 23003-76 for a detailed daily record of weather conditions up to 200 days.

**What's included:** display station with power adapter, remote temp/RH sensor, anemometer, and rain gauge. Model 23003-76 also includes data logging software (Weather View PC) and cable.



### Specifications

Parameter	Range	Accuracy
Barometric pressure	14.75 to 32.44" Hg, 374.5 to 823.8 mm Hg, 500 to 1100 Hpa	0.015" Hg, 0.38 mm Hg, 5 Hpa
Temperature	Indoor	14.2 to 140°F (–9.9 to 60°C)
	Remote (outdoor)	–40 to 176°F (–40 to 80°C)
Humidity	Indoor	30 to 80%
	Remote	30 to 80%
Wind	Direction	0 to 360°
	Speed	0 to 199.9 mph
Rainfall	Daily	0 to 78.73" (0 to 1999.9 mm)
	Accumulated	0 to 787.3" (0 to 19,999 mm)

**Radio frequency:** 433 MHz

**Transmission distance:** 100 to 325 ft (30 to 100 m), free field

**Power:** AC/DC power adapter (included) or four AA batteries for display station; six AA batteries for other components

Description	Catalog number	Price
Wireless weather station	<a href="#">GY-23003-75</a>	
Wireless weather station with data logging	<a href="#">GY-23003-76</a>	

**GY-09376-01** Batteries, AA. Pack of 4