OAKTON®

presents...

Thermohygrometers
and **Barometers**

Use these economical instruments for long-term temperature, relative humidity and barometric pressure monitoring at a glance!

A. Basic Wall-Mount Thermohygrometer

Compact design—only 4.1" diameter! Use this economical thermohygrometer for relative humidity and temperature readings in your lab, office, or computer room. This thermohygrometer features a °F/°C alcohol-filled thermometer. No batteries or external power required.

B. Low-Cost Wall-Mount Thermohygrometer

Our most economical thermohygrometer! This instrument features easy-to-read dial indicators for both humidity and temperature in °C. Use for monitoring indoor room conditions. No batteries or external power required.

C. Wall-Mount Thermohygrometer with Digital Thermometer

Digital °C/°F selectable temperature display with 0.1° resolution! Monitor both the humidity and temperature of your office, laboratory, greenhouse, food storage or computer room environments. This thermohygrometer remains accurate and stable without maintenance or adjustments. Analog humidity display; ½"H LCD temperature display. Supplied with one AA 1.5 V battery, corrosion-resistant plastic case, mounting bracket, and instructions.

D. Large-Dial Wall-Mount Thermohygrometer

Big 10" diameter display is easy to read from a distance. Unit reads relative humidity and temperature, features a dual °F/°C display and requires no batteries or power! Attractive plastic case and blue and white dial design make this a decorative and functional addition to the lab or office.

E. Wall-Mount Barometer with Digital Thermometer

Digital °C/°F selectable temperature display with 0.1° resolution! Plus, two scales display air pressure readings in both millibar (mbar) and inches Hg. Barometer is encased in a corrosion-resistant plastic housing. Analog barometric pressure display; ½"H LCD temperature display. Supplied with one AA 1.5 V battery, mounting bracket, and instructions.
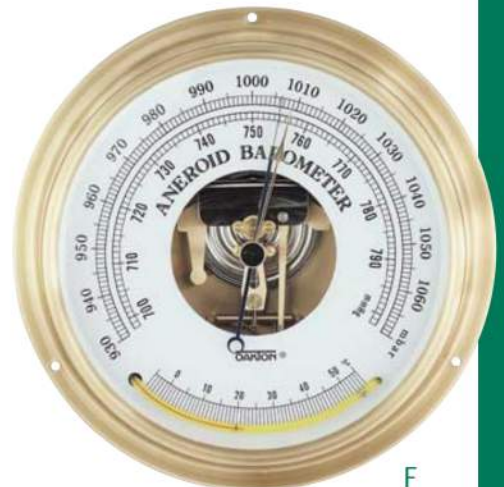
F. Aneroid Barometers

Provides temperature compensated barometric pressure readings. These high-quality barometers are ideal for measuring impending weather changes—they accurately measure atmospheric pressure from sea level up to 2000 feet. They also simultaneously monitor temperature with a built-in glass thermometer. They require no batteries or external power. Bimetallic temperature compensation preserves pressure reading accuracy at any temperature.

Choose from mbar/mm Hg or mbar/inches Hg models. Both models feature an attractive brass case and include a bezel for easy bulk-head mounting.

A

B

D

C

E

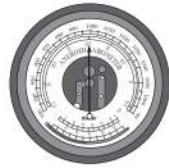F

OAKTON Thermohygrometers and Barometers

• Applications •

Use these instruments for long term monitoring of relative humidity, barometric pressure and temperature in indoor environments, including:

- laboratories
- offices
- greenhouses
- computer rooms
- food storage rooms
- museums
- libraries
- warehouses
- homes
- cold rooms
- schools
- and more!

1 year warranty

• Specifications / Ordering Information •

Model no.	A. WD-03313-70 Basic Thermohygrometer	B. WD-35700-10 Low-cost Thermohygrometer	C. WD-35700-00 Wall mount Thermohygrometer with digital thermometer CE	D. WD-35700-20 Large Dial Thermohygrometer	E. WD-03316-80 Wall mount barometer with digital thermometer CE	F. WD-03316-70 Aneroid barometer with "Hg readout / F. WD-03316-72 Aneroid barometer with mm Hg readout
Relative Humidity						
Range	20 to 99% RH	10 to 90% RH	20 to 100% RH	20 to 100% RH	—	—
Resolution	1% RH	1% RH	2% RH	5% RH	—	—
Accuracy	±3% from 20 to 50°C; ±5% RH beyond	±5% RH from 15 to 25°C	±4% from 20 to 90% RH; ±8% from 90 to 100% RH	±5% RH from 15 to 25°C	—	—
Sensor	synthetic hair	synthetic hair	human hair bundle	synthetic hair	—	—
Barometric pressure						
Range	—	—	—	—	945 to 1045 mbar / 27.5" to 30.9" Hg	WD-03316-70: 27.5" to 31.6" Hg WD-03316-72: 698 to 802 mm Hg both: 930 to 1070 mbar
Resolution	—	—	—	—	0.5 mbar / 0.1" Hg	WD-03316-70: 0.1" Hg WD-03316-72: 1 mm Hg both: 1 mbar
Accuracy	—	—	—	—	±1 mbar / ±0.1" Hg	WD-03316-70: ±0.03" Hg WD-03316-72: ±1 mm Hg both: ±1 mbar
Temperature						
Range	−20 to 50°C / −4 to 120°F	−20 to 40°C	−18 to 72°C / 0 to 160°F	−30 to 40°C / −22 to 122°F	−20 to 60°C / −4 to 140°F	both: −10 to 50°C WD-03316-70: 14 to 122°F
Resolution	1°C / 2°F	1°C	0.1°C or °F	1°C or 2°F	0.1°C or °F	both: 0.1°C WD-03316-70: 0.1°F
Accuracy	±5°C / ±10°F	±2°C	±1°C / ±1.8°F	±2°C / ±3.6°F	±1°C / ±1.8°F	both: ±1°C WD-03316-70: ±1.8°F
Sensor	alcohol-filled glass thermometer	metal coil	solid state (digital) 3-digit LED	metal coil	solid state (digital) 3-digit LED	alcohol-filled glass thermometer sensor and bimetallic strip for temperature compensation
Power	none required	none required	one AA battery	none required	one AA battery	none required
Dimensions	4.1" dia x 0.7"D	5" dia x 1"D	5" dia x 1.1"D	10.75" dia x 0.7"D	5" dia x 1.1"D	6.1" dia x 2"D
Shpg wt	0.3 lb	0.3 lb	2 lbs	0.5 lb	2 lbs	3 lbs