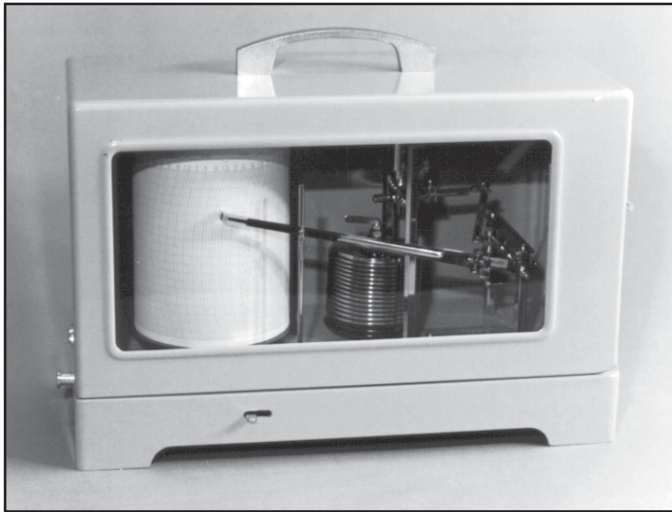


**230-7020-A Hi-Q Barograph**

230-7020-A Barograph

The **Model 230-7020-A Hi-Q Barograph** is a precision instrument designed to continuously record atmospheric pressure. The sensor is a 14-cell aneroid bellows assembly made of copper and bronze alloy. One end of the assembly is attached to the instrument base, while the other is linked to the recording pen arm. As changes in atmospheric pressure cause the bellows to expand or contract, the pen moves up or down on the chart. The linkage between the sensor and the pen includes a bimetal strip to compensate for changes in ambient temperature which also cause bellows movement. Other components of the linkage are chrome plated brass or stainless steel.

The recording span of the barograph can be adjusted for altitudes between sea level and 12,000 feet. This is easily done by means of a knob which increases or decreases the height of the pivot in the linkage. Fine adjustments are made on the pen arm. A cartridge pen is used for clear, low maintenance recording.

The chart scale may be in either millibars, inches of mercury, or millimeters of mercury. Charts are driven by a battery-operated clock with selectable rotation periods of 1 day, 7 days, or 31 days. Actual daily and weekly recording periods are 26 hours and 176 hours to prevent overwriting of the chart clip.

For outdoor installations, the barograph should be placed in an instrument shelter to shield it from rain, dust, and solar radiation. For best results, the barograph should be installed indoors.

**Specifications**

Sensor: 14-cell, 2" diameter aneroid bellows  
 Recording range: 940 to 1045 mb, 27.9" to 31" Hg, or 705 to 785 mm Hg  
 Accuracy:  $\pm$  1 mb, 0.03" Hg, 1 mm Hg  
 Operating elevation: 0 to 12,000 ft (0 m to 3,650 m)  
 Temperature compensation: Bimetal strip  
 Chart size: 3.5" H x 11.5" L (89 mm x 292 mm)  
 Graduations: 1 mb, 0.05" Hg, 1 mm Hg  
 Resolution: 1 mb, 0.025" Hg, 1 mm Hg  
 Clock type: 1.5 Vdc battery-operated (2 AA cells)  
 Drum rotation: 1 day (26 hrs), 7 days (176 hrs), or 31 days, switch selectable  
 Pen type: Cartridge  
 Size: 13" L x 9.5" H x 6" D (330 mm x 241 mm x 152 mm)  
 Weight/shipping: 9 lbs/16 lbs (4 kg/7.3 kg)

**Ordering Information**

230-7020-A	Barograph with battery-operated 1-7-31 day clock, pen, and one pack of weekly charts (specify charts)
230-7020-GL	Replacement Plexiglass Window
390-88101	Replacement Cartridge Pen, blue
390-88102	Replacement Cartridge Pen, red

**Charts**

230-70201	940 to 1045 mb, 7 days, 55/ pkg
230-70208	Same as 230-70252 except no numbers printed
230-70252	27.9 to 31" Hg, 7 days, 55/pkg
230-70253	705 to 785 mm Hg, 7 days, 55/pkg
230-70254	940 to 1045 mb, 1 day, 400/pkg
230-70258	27.9 to 31" Hg, 31 days, 25/pkg

Note: The Model 235-5010-A Meteorograph, which measures temperature and relative humidity in addition to barometric pressure, is described in the Temperature and Humidity section.