DAMPENED DELUXE
BAROGRAPH
Lifetime Warranty

Model #410-D

REPLACEMENT PARTS:

#451 Felt Tip Cartridge Pen
#108CH Barograph
Charts, Inch
(2 yr. supply)
#107CH Barograph
Charts, Millibar
(2 yr. supply)
#110 Dampening Fluid

Technical Data

Precision Barograph with dampened recording arm
8 Diaphragms
Gold plated base plate
Quartz movement for chart drum
Power supply: 1 x 1.5V AA battery (incl.)
52 one week charts in inches (incl.)
Chart size: H 2” (5.5cm) x L 9 ¼” (23.5cm)
Resolution: 2hPa
Operating Range: 960...1050hPa
Linearity deviation: +/-1hPa between 980...1030hPa
Case: Mahogany & glass
Case dimension: 11” x 6 ¾” x 6 ½” (379 x 171 x 165mm)
Weight: 7 lbs (3.175 kg)

How the Dampening System Operates

The recording arm dampening system prevents erratic movement of recording arm when the barograph is at sea.

The cylinder (10) next to the diaphragms (6) must be filled with the supplied dampening fluid for the system to operate.

To fill: Remove the friction fitted cover of the cylinder (10), fill with fluid and replace cover. Once the cylinder is full the piston will move through the fluid slowly when the pressure changes.

(Do not substitute any other fluid for use as dampening fluid).

OPERATING INSTRUCTIONS

To open: Slide brass button to side (1) and lift hood.

To install battery: Remove nut from top of drum (2), lift recording drum off (3) and insert premium AA battery in base. Replace drum and nut.

To install felt tip pen: The recording arm (5) is fitted with a felt tip pen cartridge. To replace pen, twist the vertical post base (7) to free the recording arm (5) from the drum. Pull pen off the end of the recording arm. Carefully push new pen onto end of arm. Next, turn the drum so the pen is set to current day/time position on chart. Twist the vertical post base (7) so the pen touches the chart. The recording arm must not touch the post. Pen replacement will be necessary after approximately 12 months or after prolonged period of idleness.

To replace chart: Twist the base of vertical post (7) so it holds the recording arm (5) away from the drum (4). Remove the metal chart clip (8) and chart. Wrap a new chart around the drum (4) with both ends overlapping at the clip position.