

CARLTON CLOCKS LTD.

CLOCK RESTORATION & SALES

BAROGRAPH INSTRUCTIONS

Barographs record changes in atmospheric pressure over time. The measuring element used is aneroid capsule made up of stacked cells.

Ink

The ink bottle should be unpacked and placed in the cylindrical brass holder. Fill it with the special barograph ink only (which is thicker than usual).

The nib is located at the end of a long arm, and is held away from the drum for transport or replacing the charts. Fill the nib with ink when it is empty. The ink bottle has a dibber for this purpose as only small amounts are needed.

Charts

The chart may be held in place by a bar which runs down the outside of the barrel. This slots into the bottom of the drum, with a lip over the top of the drum - simply lift it to remove it. Hold a new chart in place and replace the bar.

Where this bar does not exist, gummed charts are required – lick the gummed area and overlap the ends.

Fresh and used charts are held in the wooden drawer in the base.

Operation

The drum contains the mechanical movement, which will turn the drum one complete revolution over the course of a week. The movement is accessed by removing the circular lid from the top of the drum. This is a tight pull-fit. To wind the movement, turn the key in the direction indicated. It has an eight-day power reserve from one full wind. Replace the circular top.

The lever set on the brass plate can then be operated to allow the pen nib to touch the paper.

To regulate the movement, there is a slot in the top of the movement, marked by F. S. (sometimes with a dust cover, which can be slid to the side). Then using a very fine screwdriver or needle, you can move the arm within towards the F (faster) or S (slower)- very small adjustments at a time.