

GL198 Aneroid Barometer

An aneroid barometer is an instrument used for measuring air pressure as a method that does not involve liquid. Invented in 1844 by French scientist Lucien Vidi,[21] the aneroid barometer uses a small, flexible metal box called an aneroid cell (capsule), which is made from an alloy of beryllium and copper. The evacuated capsule (or usually several capsules, stacked to add up their movements) is prevented from collapsing by a strong spring. Small changes in external air pressure

cause the cell to expand or contract. This expansion and contraction drives mechanical levers such that the tiny movements of the capsule are amplified and displayed on the face of the aneroid barometer. Many models include a manually set needle which is used to mark the current measurement so a change can be seen. This type of barometer is common in homes and in recreational boats. It is also used in meteorology, mostly in barographs and as a pressure instrument in radiosondes.



GL198

Technical Specification

- Size: Dial: 140mm, Base: 180mm, Height: 60mm
- Movement: Metal aneroid barometer movement, temperature compensated, fully adjustable.
- Case: All of the cases are made of brass and high quality alloy, polished by hand carefully, and coated with ultra-hard and corrosion resistance plating. The finish is maintenance - free and will never tarnish when exposed in marine environment for a long time.
- Waterproof: GL198 is semi-waterproof, can stand against splashing water.
- Range: 960-1060 millibar
- Accuracy: 990-1030 millibar: ± 3 millibar
960-990 millibar/1030-1060 millibar: ± 5 millibar

