

SA841471

Late Victorian Cased Hypsometer by Cary of London

Price

Sold**Item Reference: SA841471****Date of manufacture: 1890**

Dimensions

Height = 22 cm (8.7")

Width = 10 cm (3.9")

Depth = 8 cm (3.1")

Description

For sale, a Late Victorian Cased Hypsometer by Cary of London. Contained in a leather carry case, this compact travel hypsometer is comprised of a spirit burner, a water vessel with telescopic jacketed column, two varying scale thermometers and an outer black painted, two part canister in order to allow steam to circulate. All of the components are neatly arranged so that they can be stored conveniently whilst travelling. This uncommon instrument first invented by the eminent scientist William Hyde Wollaston and later improved by numerous others, is used as a means to measure elevation using atmospheric pressure. Its principle is based upon the fact that the boiling point of water becomes lower as atmospheric pressure becomes lighter. To use the instrument, water would be placed in the base of the telescopic column with the barrels extended and with the spirit burner placed below, the water would be heated to boiling point. The aperture at the top of the column allows for a thermometer to be placed inside in order to measure the boiling temperature of the water at a given elevation and through calculation, an exact elevation could be attained. Popularised in the mid Ni...

Seller Details

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