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Sextant

Product Image



Description

A Sextant is mainly used to measure and determine the dimensions of inaccessible objects. It is used for marine navigation purposes also. For example, height of a mountain or a building, diameter of the Sun and distance from point A to farthest point B are some of the examples. The dimensions can be found out by determining the angle subtended by two different objects at the place of observation.

In order to get the exact and accurate angle, the Sextant should be highly accurate and should be able to perform well according to the user demands.

Our Sextants are truly build for accuracy. These are total brass Sextants with Stainless Steel arc scale. The optics and mirrors used in our Sextants are carefully selected ensuring high vision accuracy. Our Sextants are fully operational and measure true angles in accordance with the international standards down to 12secs. All of our Sextants are developed using precision machines and professional workmanship.

Technical Specifications:

1. An index arm carrying the full silver mirror moves on the stainless steel scale. A fine motion is given by a micrometer head provided under the index arm by rack & worm system.
2. Micrometer head has 60 divisions. Its one rotation moves the index arm through 1min. A vernier is also provided against the micrometer whose vernier constant is 12 sec.
3. Half silvered mirror is mounted in front of the telescope holder and can be moved by a knurled screw in the vertical plain. Similarly the full mirror on the index arm is provided with a spring loaded screw to move it in the horizontal plain. These horizontal and vertical slow motion movements are used for zero adjustments or initial readings an improvement for easy setting.

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Sextant

Catalog No. 101039

Disclaimer

The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.