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Michelson Interferometer with Sodium Lamp

Product Image



Description

We have made some important modifications in our Interferometer which allows the FORMATION OF FRINGES within no time. Instead of 6 adjustment screws in the conventional design, MICHELSON's INTERFEROMETER are provided with only 2 adjustment screws at the back of the mirror M2. Mirror M1, BEAM SPLITTER G1 & COMPENSATOR G2 are factory adjusted and never to be tampered. MICHELSON's INTERFEROMETERS are fully capable of producing sharp and bright INTERFERENCE FRINGES of Sodium Light as well as of a Laser Light source. We employ one of the best & high end quality optics available in the industry in our MICHELSON's INTERFEROMETER so that correct and accurate wavelength of sodium light and laser light can be calculated.

Technical Specifications:

Supported on a stable metal stand.

High quality front coated silver mirrors of $\lambda/10$ accuracy are employed. Mirror M1 & M2

(32mmx32mmx7mm). G1& G2 (50mmx38mmx7mm).

All adjustments to locate the fringes are done by two knurled screws provided at the back of mirror M2. Top screw moves the mirror in the vertical plane and the side screw in the horizontal plane. Two more spring loaded screws under M2 are also provided for fine adjustments of fringes while removing parallax.

Distance moved by mirror M1 is read on circular scale inside the front box (least count .01mm) and on micrometer scale on the right side of the box (least count 0.0001mm). A linear mm scale is also provided on the right side of the mirror M1 to position it properly.

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Catalog No. 101031

Disclaimer

The Product 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.