



Product Code . JL-TWL-9180

Michelson Interferometer

Description

Michelson Interferometer

Feature:-

Interferometer provided by 3 scales

Linear scale 0-150 mm graduated in mm is attached with bed of interferometer

Mirror holders (Fitted with mirror mount), which makes them capable of holding mirrors of 25.4 mm dia & 12.5 mm thickness

A graduated slow-motion drum (Graduation 0-100 Div) fitted on right-hand side of Interferometer

One division of graduated disc H 0.01 mm

One division of slow drum = 00001 mm. that is least count of Interferometer: 10 'mm

Graduated disc (0-100 Div.) may be peeped through glass window and is provided with head of the Interferometer

Specification:-

Mirror (Front surface-coated) Dia: 25 mm, Thickness: 10 mm

Surface flatness of coated face: A/10 & another face optically polished

Telescope Observation the Fringes: Objective is an achromatic doublet of dia 25 mm

F.L: 125 mm

Mirrors reflectivity 90%

Telescope magnification: 10x

Thickness: 8 mm

Surface flatness: A/10

Parallelism between two faces: <5 arc seconds to maintain their optical identity
