

TRANSMISSION MEASURING HEAD FOR THE MEASUREMENT OF LARGE GLASS PANES



Measuring Head

Transmission measuring head in U-form with integrated optical emitter and receiver unit and mechanical interface for fixing to a glass pane. The head can easily be connected to a MultiSpec system.

Optical Emitter and Receiver

Optical emitter and receiver consist of

- a) optical in/output as SMA-connector
- b) fiber integrator/ quartz rod to homogenise emitted and received radiation
- c) optical collimator to collimate the optical radiation (beam diameter on free optical path: ca. 10mm)
- d) tilted mirrors
- e) protection window (sapphir)
- f) screwable bezel ring as
 - mechanical protection and
 - as protection against false light.

The lenses are integrated in cylindrical tubes which are placed in the two arms of the U-design. The measuring head has an optical path length of 100mm for transmission measurements.



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