



Technical Data Sheet

Reflectance Sensor Head MSN 0925P for Non-Contact Measurements



The sensor head is designed for non-contact spectroscopic measurements in the VIS and NIR spectral range. Due to its optical design, the sensor readings are insensitive to sample distance variations, therefore resulting in safe operation and flexible integration. Typical applications for this unit are continuous measurements, for example of bulk materials on conveyor belts or web goods such as textiles, sheets, and paper.

Using a common fiber optic cable, the sensor head is fully compatible with all standard spectrometer systems. For automated system adjustment and self-diagnosis, the sensor head provides an integrated white reference. Dynamic status information for system

monitoring is accessible via the electronic interface. High signal efficiency also allows monitoring of fast-moving samples as well. The robust design assures reliable operation in harsh process conditions.



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Technical Data

Probe Housing	Anodized Aluminum, IP65
Window	Optical Grade Quartz
System Alignment	Built-in White Reference
Distance to Sample	150 mm – 500 mm
Status Signals	Light Source Control Light Source Operating Hours Reference Control Temperature Monitoring
Connectors	Electrical: M12-A 8-pole, Power, and Communication Optical: Sealed F-SMA 905 for 600 µm Fiber
Communication	RS-485, 4-wire, Full Duplex
Operating Temperature	0 °C – 45 °C, Non-Condensing
Weight	Approx. 4,5 kg
Dimensions (W x H x D)	130 x 170 x 178,15 mm ³ 130 x 170 x 230 mm ³ (Including Fiber Sealing)



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