

POLISPEC LITE
INLINE
NON - CONTACT

Compact VIS-NIR spectrometer for non-destructive, non-contact analysis on production lines. Its 256-pixel CMOS sensor and diffuse reflectance optics monitor chemical and physical parameters. It features an anodised aluminium housing, IP65 protection and operation up to +46°C, while automatic internal references help ensure measurement stability.



Dim. 41 x 24.6 x 10.1 cm (l x h x w)

Weight 4.6 kg

Material Anodised Aluminium

IP protection IP65



Sensor CMOS, 256 pixels

Spectral range 580-1080 nm

Average numerical resolution < 2 nm

Average optical resolution HWHM < 8 nm

Optical signal collection Direct optical coupling

Power supply Spectrometer unit: 12Vdc, 50W
NCMS02 module 10Vdc, 250W (AC/DC Adapter 230 Vac to 10 Vdc with voltage remote sensing included)

Power consumption Spectrometer unit <30W including internal processing module if installed, Light source <16W

Operating temperature From -15°C to +46°C



Type of measurement Reflectance

Measurement geometry Diffuse broad angular/0°

Measurement references Internal and automatic

Communication channels WiFi + RS422 (standard)

Source type Replaceable halogen lamp



Command and signals

PLC: Modbus over TCP - Server, Modbus over TCP - Client, ISO over TCP (Siemens S7); OPC UA Server; Analog output through Modbus to Analog converter; CANbus/ISObus



Software

poliPROCESS Process analysis software compatible with the SensoLogic and UCal Chemometric suites, interface available for ISObus and PLC systems (modbus over TCP).



Options

Internal processing unit: Ethernet (NH) or CANbus (NC)



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