

POLISPEC NIR INLINE CONTACT

Inline NIR spectrophotometer covering 900–1700 nm for contact analysis in production processes. Combines a cooled 256-pixel InGaAs sensor, automatic internal references and Poliprocess software for calibration-based multi-parameter monitoring.

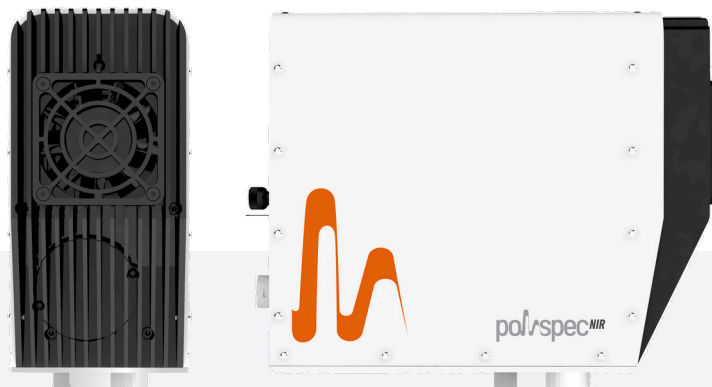


Dim. 22.8 x 17.5 x 8.8 cm (l x h x w)

Weight 3 kg

Material Anodised Aluminium
(standard)

IP protection IP68 / IP9K



Sensor InGaAs sensor, 256 pixels, cooled with single Peltier stage

Active cooling system Stability T<0.01K

Spectral range 900-1700 nm

Average numerical resolution 3.2 nm

Average Optical Resolution HWHM 3.25 nm

Optical signal collection Direct optical coupling

Power supply 12 Vdc $\pm$ 20%

Power consumption <35W

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



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



Type of measurement Reflectance; Transmittance*
* may require external accessories

Measurement geometry Diffuse/0°

Measurement references Internal and automatic

Communication channels WiFi + RS422 (standard)

Source type Replaceable halogen lamp (internal backup lamp also available)



Options

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



Software

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