

POLISPEC NIRE INLINE CONTACT

Inline extended-range NIR spectrophotometer covering 930–2180 nm for contact process analysis. Features a cooled 512-pixel dual-chip InGaAs sensor, automatic internal references and Poliprocess software for industrial integration.

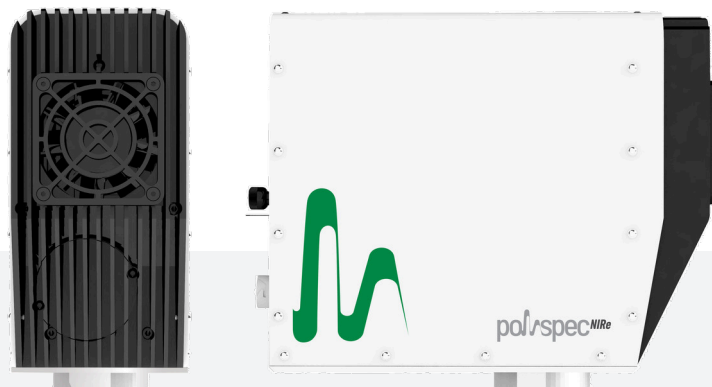


Dim. 22.8 x 17.5 x 8.8 cm (l x h x w)

Weight 3.5 kg

Material Anodised Aluminium
(standard)

IP protection IP68 / IP9K



Sensor InGaAs dual chip sensor, 512 pixels, cooled with double Peltier stage

Active cooling system Stability T<0.03K

Spectral range 930-2180 nm

Average numerical resolution 2.4 nm

Average Optical Resolution HWHM 4 nm

Optical signal collection Direct optical coupling

Power supply 12 Vdc ± 20%

Power consumption 24W

Operating temperature From -15°C to +40°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).