

POLISPEC VIS
INLINE
NON-CONTACT

Non-contact visible-range spectrophotometer covering 400–700 nm for colour monitoring on production lines. Combines automatic internal references, an IP65 housing and Poliprocess software for integration with industrial automation.



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 400–700 nm

Average numerical resolution 1.6 nm

Average Optical Resolution HWHM < 7 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



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

Measurement geometry Diffuse broad angular/0°

Measurement references Internal and automatic

Communication channels WiFi + RS422 (standard)

Source type Replaceable halogen lamp



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).



polispec.com // itphotonics.com

ITPhotonics S.r.l.: via Astico 39, 36030 Fara Vicentino (VI) - Italia
T. (+39) 0445-1925221 || M. info@itphotonics.com