

POLISPEC NIR PORTABLE

Portable NIR spectrophotometer covering 900–1700 nm for laboratory and at-line quality control. Features a cooled 256-pixel InGaAs sensor, automatic internal references and Polidata software for calibration-based multi-parameter analysis.



Dim. 22.8 x 21.4 x 8.8 cm (l x h x w)

Weight 3.1 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%; Battery 3.35Ah

Power consumption <35W

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



Command and signals

Hardware buttons dedicated to the measurement and to the references acquisition; Light and acoustic signalling of the acquisition status



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

At-line accessories



Software

poliDATA Data acquisition and chemometric prediction software compatible with the SensoLogic and UCal Chemometric suites.



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