

POLISPEC NIRE PORTABLE

Portable extended-range NIR spectrophotometer covering 930–2180 nm for laboratory and at-line analysis. Features a cooled 512-pixel dual-chip InGaAs sensor and Polidata software for calibration-based multi-parameter quality control.



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

Weight 3.6 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 $\pm$ 20%; Battery 3.35Ah

Power consumption 24W

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