

POLISPEC LITE PORTABLE

Portable VIS-NIR spectrophotometer for rapid quality checks in laboratory and at-line applications. Combines a 256-pixel CMOS sensor, diffuse/0° optics, automatic internal references and battery-powered operation with Polidata software.



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

Weight 2.5 kg

Material Anodised Aluminium
(standard)

IP protection IP68 / IP9K



Sensor CMOS, 256 pixels

Spectral range 580-1080 nm

Average numerical resolution < 2 nm

Average Optical Resolution HWHM < 8 nm

Optical signal collection Direct optical coupling

Power supply 12 Vdc $\pm$ 20%; Battery 3.35Ah

Power consumption <30W

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



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.



Command and signals

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

polispecLITE

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