

L I T E

Polispec LITE is a reflection spectrophotometer (also configurable for transmission or contactless applications), equipped with an interior lighting system and automatic references. Its dimensions are extremely compact and the casing is made entirely of anodised aluminium while a large heat sink is located at the front to remove the heat generated by the lighting system.

The entire system is designed for use in different environments and under different working conditions thanks also to the possibility of creating the external surfaces and contact surfaces in different materials.



Dim. 21.6 x 21.3 x 8.5 cm (l x h x w)

Weight 2.5 kg

Material Anodised aluminium
(standard)

IP degree 54



Sensor CMOS, 256 pixel

Spectral range Available in various ranges between
580-1080 nm

Average numerical resolution < 2 nm

Average optical resolution HWHM < 8 nm
(in range 640-1050 nm)

Optical signal collection Direct optical coupling

Supply 12 Vdc power supply with supplied power supply,
interchangeable rechargeable battery

Maximum absorbed power 15 W



Commands and signals

Hardware button dedicated to the acquisition of references.
Hardware button dedicated to the measurement acquisition.
Light and acoustic signalling of the acquisition status.



Type of measurements Reflectance/transmittance *
** may require external accessories*

Measurement geometry Diffuse / 0°

Measurement references Internal and automatic

Communication channels ** Standard WiFi + RS422 / RS485
*** also available in WiFi + Ethernet configuration*

Source type Replaceable halogen lamp



Software

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

poliPROCESS Process analysis software compatible with the SensoLogic and UCal Chemometric suites, interface available for ISObus and PLC systems (modbus over TCP).