

## 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.** 23.4 x 18.1 x 8.5 cm (l x h x w)

**Weight** 2.4 kg

**Material** Anodised aluminium  
(standard)

**IP degree** 54



**Sensor** CMOS, 256 pixel

**Spectral range** Available in various ranges between  
400-1100 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).

**polispec**<sup>LITE</sup>

polispec.com // itphotonics.com

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