TACTISCAN

TactiScan Data Sheet

Parameters	Specifications
Ready-to-Scan operation	One button operation
Optical interface	Micro-reflection optics
Calibration of the device	Calibration done with White reference target.
Wavelength range	1.55 – 1.95 µm (TactiScan TS2.0)
Wavelength resolution (typical, FWHM)	15 – 21 nm (TS2.0) *
Measurement time (full spectrum)	2 s
Wavelength temperature response (max.)	0.1 nm/°C
Wavelength points	Minimum step 0.1 nm, up to 512 in total
SNR (typical, w/o averaging)	> 7'500 (TS2.0) **
Physical parameter	Specification
Outside dimensions	82 mm (L) x 82 mm (W) x 27 mm (H)
Weight	160 g
Durability	Specification
Surface glass	Gorilla-3
Lamp lifetime	Typical 40,000 hrs ***
IP rating	IP54
Electrical parameter	Specification
Battery	3.7 V, 700 mAh, rechargeable
Charging port	USB-C
Wireless connectivity	Bluetooth Low Energy BLE 4.3
Wired connectivity	USB 2.0
Illumination source	Two tungsten vacuum lamps
Detector type	Single element extended InGaAs
Software	Name
Device software	Upgradeable device firmware
Downloadable software	Name
PC software	SensorControl
Mobile application	TactiScan Mobile App Android 12.0 or later, IOS 13+.

* With an SMA-adapter and a fiber with 400 um core and 0.22 NA
** With external illumination and signal level of 75% of the maximum range
*** Specified by lamp manufacturer for ideal laboratory conditions. Lifetime may shorten as a result of shock, vibration, and extreme temperatures. Lifetime can be extended by using lower than 100% drive level.