



Technical Data FT_IR

Detector	Pyroelectric DLaTGS detector
Optics	Hermetically sealed aluminum casing with gold coated mirrors, KBr windows (user-replaceable), and beam splitter
Signal-to-noise ratio [?]	55000:1 (1 min, 8 cm ⁻¹ , 1900 cm ⁻¹ to 2250 cm ⁻¹)
Spectral range [?]	350 cm ⁻¹ to 7500 cm ⁻¹
Spectral resolution [?]	1.4 cm ⁻¹ to 16 cm ⁻¹
Wavenumber accuracy	<0.05 cm ⁻¹ @ 900 cm ⁻¹ to 3000 cm ⁻¹
Measurement time [?]	<30 seconds
Laser type [?]	Single mode Vertical Cavity Surface Emitting Laser (VCSEL)
Laser class	Class 1, enclosed hermetically
IR Source	SiC composite
Operating temperature range [?]	10 °C to 30 °C
Dimensions	365 x 315 x 382 mm (D x W x H)
Weight	12.8 kg
Power supply [?]	DC 24V, 40 W
Communication interfaces	4 x USB 2.0 / CAN / Ethernet / Wi-Fi
Internal storage [?]	32 GB