



sFTIR product portfolio and technical specification

Spectrometer

sFTIR Industrial



Article Number	90600-00
Spectral Range	7-15.5 μm / 1400-645 cm^{-1}
Spectrometer Housing Material	Aluminium
Illumination Source	Thermal Lightsource
Source Lifetime	~5000+ Hrs
Dispersing Element	Static Fourier, no moving parts
Detector	uncooled IR detector array
Pixel to pixel wavelength interval	1 cm^{-1}
Spectral resolution	6 cm^{-1}
Analogue to Digital Converter	16-bit
Signal	Average SNR @ 1 second / Integration time: 2000:1
Measurement time (typical)	~1 second / max. 50 Hz
Operating Environment	0-50° C non-condensing
Storage environment	0-60° C non-condensing
Dimensions (L x W x H)	121 x 133 x 163 mm
Protection Class	IP54
Power Requirement	12 Volt DC, 10 W / 5 Volt DC, 50 W
Thermal Stabilisation	yes
Interface	Ethernet, USB (for configuration)
Weight	~3 kg
Software interface	Compatible to SphinxSuite including online predictor
Sampling interfaces	Transmission cell, ATR, Gas, Reflection