

IRSphinx Transmission Industrial: Technical Specification



Article Number	908 100-00	908 200-00
Spectral Range	2.5-5 μ m 4000-2000 cm^{-1}	5.5-11.0 μ m 1800-900 cm^{-1}
Cuvette	Stainless Steel + Fluid Channels 90902-00	
Spectrometer Housing Material	Anodised Aluminium	
Illumination Source	Black Body Source Emitter	
Source Lifetime	10,000 hrs	
Dispersing Element	Linear Variable Filter (LVF)	
Detector	128-pixel uncooled pyroelectric array	
Analogue to digital converter	16-bit	
Signal	Detector Voltage >1V @8Hz and 1600 cm^{-1}	
Measurement time (typical)	~30s (N=200)	
Operating environment	0-50°C non-condensing	
Storage environment	0-60°C non-condensing	
Dimensions (L x W x H)	85 x 99 x 97 mm	
Protection Class	IP44	
Power Requirement	12V DC , 10W	
Stand-alone operation	Yes	
Thermal Stabilisation	Yes	
Interface	USB, ethernet, CANopen	
Weight	~440g	