



# IRSphinx Transmission Industrial

## Technical Specification



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

