



NWSPEC (Xiongan) Co., Ltd.
Add. 15-051# Xiongan Pilot Free
Trade Zone Area, Hebei, China

NWS5700 NIR Spectrometer

Description

The NWS5700 NIR Spectrometer is a high-performance instrument utilizing an M optical design, SMA905 connector, and cooled detector for sensitive and accurate NIR spectral analysis. It features USB and RS232 interfaces and software for automatic configuration and measurements of radiation, transmittance, absorbance, and reflectance.

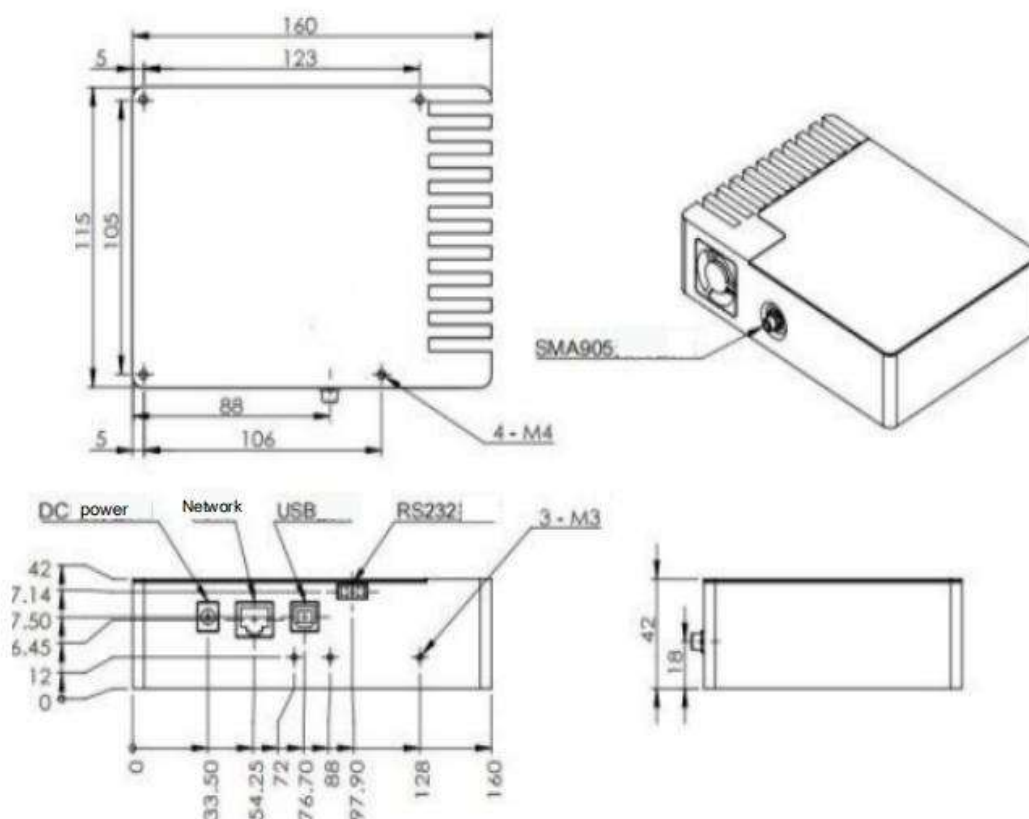
Application

Spectral analysis and measurement, including applications in petroleum, chemical, agricultural, and food testing, as well as customer-specific customization.

Specification

ITEMS	SPECIFICATION
Fiber Interface	SMA 905
Entrance Slit	25 μ m
Wavelength Range	900-1700 nm
Spectral Resolution	5 nm @ 25 μ m slit @ Hg lamp 1014 nm
Detector	High-performance cooled detector
Detector Cooling Temperature	15°C
Cooling Power Supply	DC 5V/3A
Pixel Count	512
Pixel Size	25 x 25 μ m
Detector Condenser	Yes
Signal-to-Noise Ratio	200:1
ADC Resolution	16 bits
Integration Time	0.5 ms - 10 s

ITEMS	SPECIFICATION
Power Supply	DC 5V/3A
Communication Interface	USB Type-B
Data Output	Grayscale value varies with wavelength or pixel
Data Averaging	1-100 times
Dimensions	160 mm x 115 mm x 42 mm
Weight	~1 kg
Fixed Screw Holes	4 x M4 holes on the bottom
Operating Temperature	-10°C to 40°C
Storage Temperature	-20°C to 70°C





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