

# New Generation of NIR Spectrometers

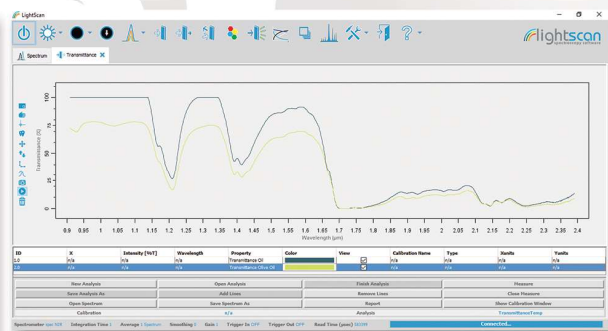
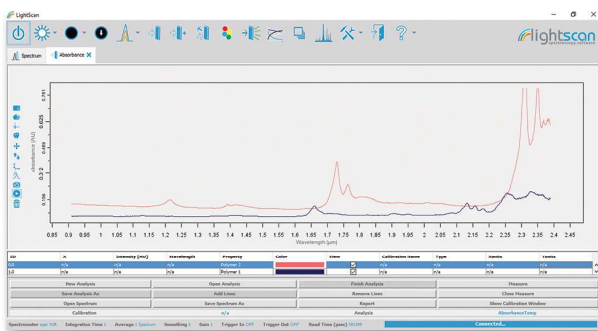
## Spec NIR

Sarspec's SPEC NIR series is an innovative new technology which allows high performance and affordable solutions ideal for:

- ✓ Polymer Analysis
- ✓ Saturated Fatty Acid Identification
- ✓ Raw Materials Classification
- ✓ Alcohol Determination
- ✓ & others



- ✓ Detection from 660 to 2400nm
- ✓ Fast Scan time up to 4ms
- ✓ Compact, portable and affordable
- ✓ SMA Optical Fiber coupling
- ✓ TE cooled sensors



# SPEC NIR / SPECTROMETERS

Sarspec's SPEC NIR series is a new approach to NIR / SWIR spectroscopy using the combination of an innovative ultra fast micro electrical mechanical mirror and single element detectors allows a high performance and affordable solution.

	SPEC NIR 1.7	SPEC NIR 2.1	SPEC NIR 2.4
Wavelength Range	660-1700	910-2100	910-2400
Average Spectral Resolution	~3nm (150 um slits)	~4nm (150 um slits)	
Detectors	Si and InGaAs	InGaAs	
TE Cooling	No (Optional)	-10 °C (Optional Uncooled)	
Signal / Noise	7000:1	4000:1	3600:1
Max Spectra Minute	80		
Interface	USB and RS-485		
Software	LightScan (control, acquisition and data handling)		
Fiber Connector	SMA		
Dimensions	150(W) x 100(D) x 75 (H) mm		
Weight	1 Kg		
Part Number	SP-NIR-1.7	SP-NIR-2.1	SP-NIR-2.4
Options	SP-NIR-1.7.-C (Cooled)	SP-NIR-2.1-U (Uncooled)	SP-NIR-2.4-U (Uncooled)