

Specifications Table

Dimensions /W x D x H) mm	330 x 381 x 508 mm (with display) 330 x 381 x 270 mm (without display)		
Weight	18 kg, 40 lbs.; 22 kg, 48 lbs. with monitor		
Power Voltage	100-240 V AC *, frequency 50-60 Hz, Class 1, protective earth		
Light Source	Tungsten halogen lamp with MTBF rating of 10,000 hours, User changeable via pre-aligned assembly		
Measurement mode	Reflectance or transreflectance		
Detector	High Performance ultra-cooled InGaAs extended range detector(s), dual stage temperature stabilized		
Optical Bandwidth	10.0 ± 0.3 nm Actual FWHM		
Spectra Resolution	Spectral Resolution is an actual 1.0 nm without interpolation, up to 0.5 nm available.		
Absorbance range	Up to 3 AU		
Analysis time	10 – 60 sec. (20 scans / sample = 40 s)		
Wavelength accuracy	< 0.02 nm to traceable standard reference material		
Wavelength precision	< 0.005 nm		
Wavelength temperature stability	No effect = 0 nm/°C		
	2600XT-R	2600XT	1400XT
Wavelength range	680 - 2600 nm	1100 - 2600 nm	1400 - 2600 nm
Number of data points	1920	1500	1200
Photometric noise full range	< 20 µAu	< 20 µAu	< 20 µAu
680 - 1100 nm	< 20 µAu	N/A	N/A
1100 - 2500 nm	< 15 µAu	< 15 µAu	N/A
1400 - 2500 nm	< 15 µAu	< 15 µAu	< 15 µAu
Number of detectors	2	2	1
Degree of protection	IP52 completely sealed, no venting or fan; IP65 optional		
ISO 12099 Compliant	Animal feedstuffs, cereals and milled cereal products - Guidelines for the application of near infrared spectrometry.		
User Interface			
Operating System	Windows 7 Embedded		
Display	17" touch screen, high resolution		
Networking	LIMS compatible OPC compliant HDMI Port 4 USB ports		
Installation requirements:			
Ambient temperature	1 - 40°C		
Storage temperature	-20 to 70°C		
Ambient humidity	< 95% RH, < 85% RH recommended		
Mechanical environment	Stationary during use		
EMC environment	Laboratory use, Industry requirements		



* Mains supply voltage fluctuations not exceeding
±10% of the rated voltage.



Unity Scientific Asia Pacific
Unit 7/ 84-90 Old Bathurst Rd
Emu Plains, NSW, 2774 Australia
Ph: 02 4735 1813
E: sydney@unityscientific.com.au
www.unityscientific.com.au

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powered by TAS Technology