

TerraSpec 4 Standard-Res Mineral Analyzer

Increase efficiency and optimize metal yield with high-throughput mineralogical analysis, and enjoy even greater data quality with the new TerraSpec 4 Standard-Res mining analyzer. Top mine operations around the world already trust ASD's TerraSpec® line of mining instruments for their critical mineral analysis measurements.



Wavelength Range	350-2500 nm
Resolution	3 nm @ 700 nm and 10 nm @ 1400/2100 nm
Scanning time	100 milliseconds
Signal-to-noise ratio	VNIR: 9,000:1 @ 700 nm SWIR 1: 9,000:1 @ 1400 nm SWIR 2: 4,000:1 @ 2100 nm
Photometric noise	VNIR: 48 µAU @ 700 nm SWIR 1: 48 µAU @ 1400 nm SWIR 2: 110 µAU @ 2100 nm
Stray light	VNIR: 5000:1 (0.02%) NIR: 10,000:1 (0.01%)
Wavelength reproducibility	0.1 nm
Wavelength accuracy	0.5 nm
Channels	2151
VNIR detector	(350-1000 nm) 512 element silicon array
SWIR 1 & 2 detectors	(1001-1800 nm) & (1801-2500 nm) Graded Index InGaAs Photodiode, TE Cooled
Certifications and Approvals	CE certified: EN61010-1:2001 2nd Edition EU Directive: 2006/95/EC, 2004/108/EC NIST traceable calibration, WEEE Compliance
Communications	Wired: 10/100 Base T Ethernet port with Ethernet cross-over cable Wireless: 802.11g wireless card
Dimensions	(H x W x D) 12.7 x 36.8 x 29.2 cm (5 x 14.5 x 11.5 in)
Weight	5.44 kg (12 lbs)
Battery weight	1.2 kg (2.7 lbs)
Battery run time	Approximately 6 hours (without lamps or accessories)
Operating temperature	0 to 40° C (32 to 104° F)
Storage temperature	-15 to 45° C (5 to 113° F)
Input Power	AC/DC switching power supply and a sealed lead-acid gel cell battery
AC input	90-240 VAC, 50/60 Hz
DC input	12 VDC, 60 W
Auxiliary port power	Output, +12 VDC, 27 Watt (max)
Software	Indico® Pro acquisition software, Compatibility with GRAMS, Seamless interface with ENVI®, ASD ViewSpec™ Pro for post processing, optional RS3™
Portability	Rugged instrument transportation case; optional customized backpack with soft-sided travel bag
Warranty	One year full warranty including expert customer support
Computer	Windows® 7 64-bit laptop (instrument controller)

Mapping Solutions Ltd.

28, Roberts Avenue, Manchester M14 4DA, UK. Reg. 05228624. VAT. Reg. 989 5454 45

Tel: 0044 161 256 1341. Mob.: 0044 7825 199 303. Fax: 0044 161 241 6792

info@mapping-solutions.co.uk www.mapping-solutions.co.uk