

Void Scanner 150 (VS150) Mk3

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Specification

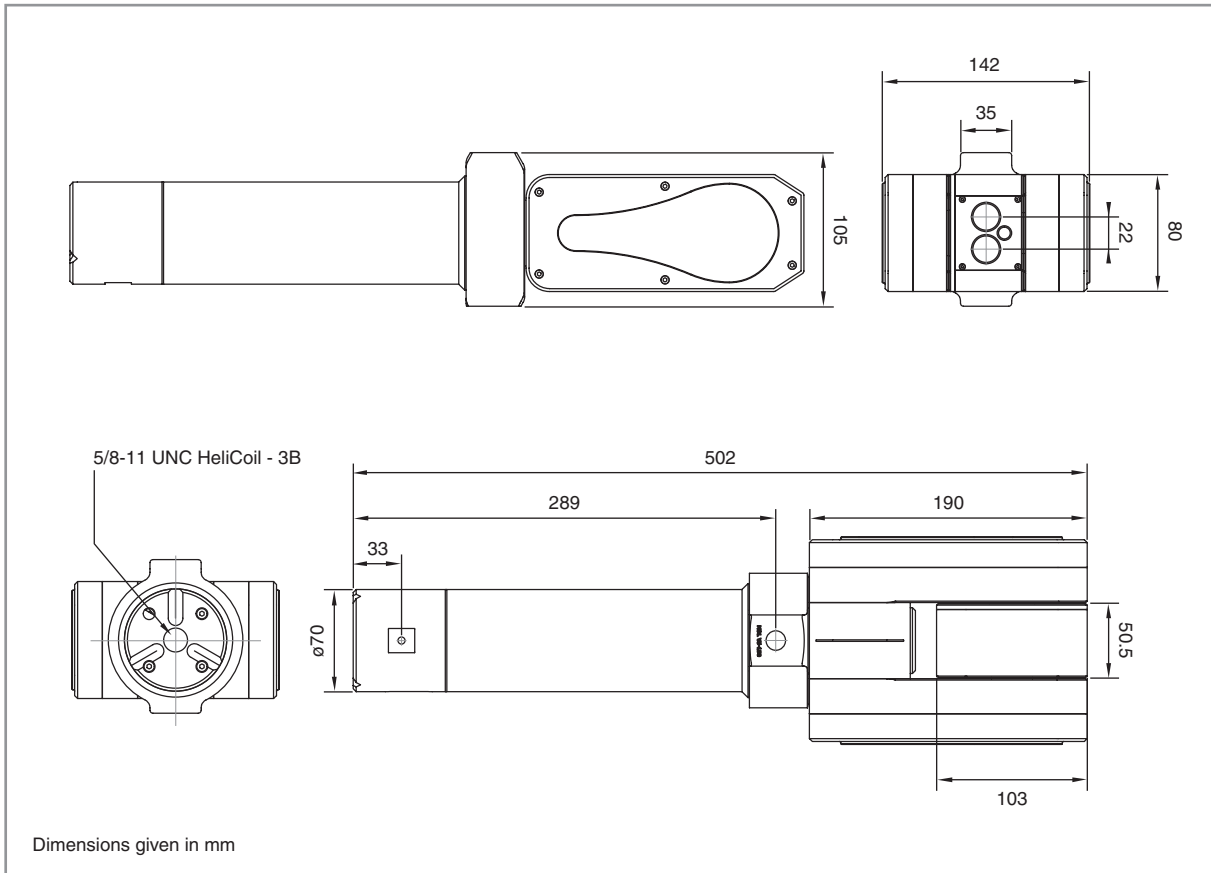
Laser module		
Laser classification (BS EN 60825-1: 2007) (21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser No. 50, dated 24 June 2007)	Class 2M*	
Infrared laser module		
Type	InGaAs laser diode	
Wavelength (typ)	905 nm	
Maximum energy per pulse	1.06 µJ	
Beam divergence	2.76 × 0.18 mrad	
Resolution	1 cm	
Maximum range to a passive target**	Up to 150 m	
Minimum range	0.5 m	
Lens aperture size and location	18 mm location at front of module	
Visible laser module		
Type	InGaAsP laser diode	
Wavelength (typ)	650 nm	
Maximum power	<0.6 mW	
Lens aperture size and location	3 mm location at front of module	
Angle measurement		
Type	Opto-electronic encoder	
Accuracy	0.2°	
Resolution	0.1°	
Range	Vertical	+135° to -135°
	Horizontal	0° to 360°
Motion	Servo-driven gear systems with manual clutches	
Pitch-and-roll sensors		
Type	Accelerometer based	
Pitch-and-roll accuracy	± 0.2°	
Pitch-and-roll range	360°	
Physical data		
Construction	Machined aluminium and stainless steel	
Water and dust resistant	IP65	
Operational temperature range	-10 °C to 45 °C	
Transit case dimensions	620 mm × 480 mm × 240 mm	
Weight	Probe: 5 kg / System in transit case: 23 kg	
External power input	10 to 15 V dc and 110 to 240V ac	
Power consumption during scan	Approx 0.8 A	

* Viewing laser output with optical instruments designed for use at a distance (e.g. binoculars) may pose an eye hazard.

** Max measuring ranges are recorded against Kodak white card (90% reflectivity).

For further information and the best possible application and performance support please contact Renishaw or visit www.renishaw.com/mining

Void Scanner 150 (VS150) Mk3 dimensions



For worldwide contacts, visit www.renishaw.com/contact

**CLASS 2M
LASER PRODUCT**

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