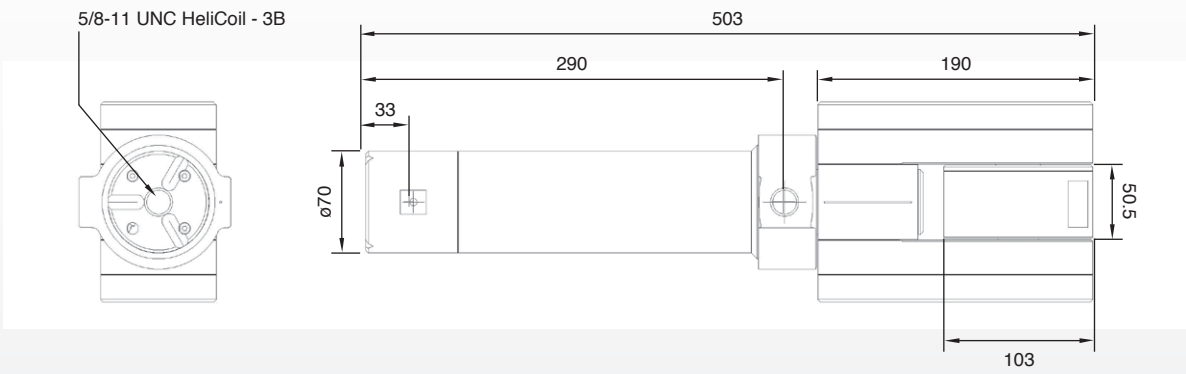
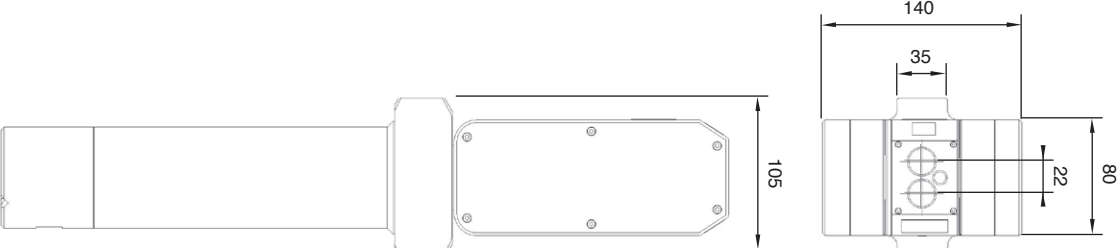


Void Scanner

VOID SCANNER DIMENSIONS



Dimensions given in mm



VISIBLE AND INVISIBLE
LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

Laser module					
Laser classification (BS EN 60825-1 : 2014) (21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser No 50, dated 24 June 2007)	Class 2*				
Infrared laser module					
Type	InGaAs laser diode				
Wavelength (typical)	905 nm				
Maximum energy per pulse	1.06 μJ				
Beam divergence	2.76 × 1.5 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	InGaAs laser diode				
Wavelength (typical)	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	<table border="1"> <tr> <td>Vertical</td> <td>+135° to -135°</td> </tr> <tr> <td>Horizontal</td> <td>0° to 360°</td> </tr> </table>	Vertical	+135° to -135°	Horizontal	0° to 360°
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				
IP degree of protection***	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 240 V ac				
Power consumption during scan (typical)	9.6 W				

* 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).

*** Environmental compatibility requirements of EN 60529:1992+A1:2002.

For further information and the best possible application and performance support please contact Carlson at lasermeasurement@carlsonsw.com