

DATA SHEET

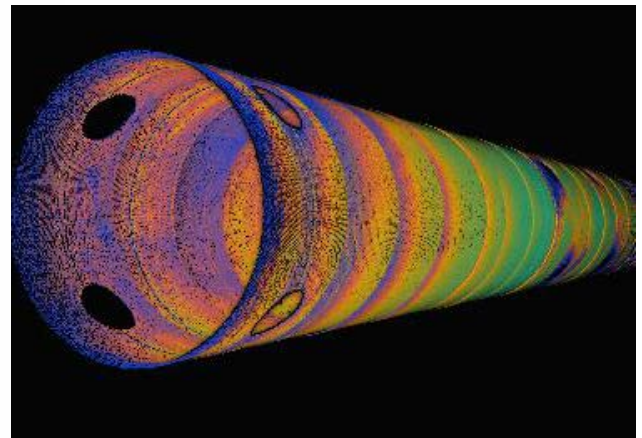
Insight NANO Laser Scanner



Overview

The Aisus Nano is a compact laser scanner designed for straightforward 3D modelling. The integrated actuator and simple user interface enable non-intrusive qualitative inspection without any external aiding sensors.

The system is capable of integration with a variety of deployment vehicles, including small ROVs and pipe crawlers, to deliver high resolution data in confined spaces like pipes, tunnels, and flume tanks.



Technical Specification

Feature	Short-range
Scan range	0.13m - 1m
Points per line	480
Angle of view	50°
X resolution (along laser line)	0.3mm @ 0.13m 1.2mm @ 0.6m 1.9mm @ 1m
Y resolution (profile to profile)	0.05mm @ 0.13m 0.2mm @ 0.6m 0.3mm @ 1m
Profile rate	9.9Hz
Laser	Max output: <5mW Pulse duration: 1mSec to CW Wavelength: 450nm or 520nm

Power consumption	7W (max) 12-24 VDC
Data interface	RS-485 half duplex USB
Depth rating	350m
Data storage	Topside control computer
Data acquisition	ScanSoft (included)
Calibration	Factory calibrated
Export data formats	.XYZ (CSV)

INSPECTION SPECIALISTS

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