AMETEK SI · PRINCETON APPLIED RESEARCH

VSC-OSP

Scanning electrochemistry

VSC-OSP – scanning electrochemistry from AMETEK Scientific I nstruments. Optical measurement range: ±10 mm.



Optical measurement range

±10 mm [1]

Specifications

DETECTOR

Measurement equipment/probe	High-accuracy laser displacement sensor (non-contact)	[1]

MEASURING RANGE

Optical measurement range	±10 mm	[1]

MECHANICAL

Spot size at reference distance	50 µm at 50 mm	[1]

GENERAL

Measurement technique	Optical surface profiling	[1]
X travel	100 mm (VersaSCAN VS-BASE positioning system)	[1]
Y travel	100 mm (VersaSCAN VS-BASE positioning system)	[1]
Z travel	100 mm (VersaSCAN VS-BASE positioning system)	[1]
Positioning	Piezoelectric motors on all axes, no stepper motors (VersaSCAN VS-BASE)	[1]
Laser	Class 2; 650 nm; 0.95 mW	[1]
Repeatability	0.025 µm	[1]

Sources

[1] **VSC-OSP Non-contact Optical Surface Profiler**
AMETEK Scientific Instruments · product-page · Applications and Software; Differentiated Specifications – 'VersaSCAN Positioning System' table; Differentiated Specifications – 'OSP Measurement Technology' · checked 2026-10-16
https://www.ameteksi.com/products/scanningelectrochemicalsystems/osp-non-contact-optical-surface-profiler

Every value is taken from the manufacturer’s own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer’s published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.