

Specification and scope of supply of Opti-Probe 90.40

Description	Specification/scope of supply
Max X dimension	3m
Max Y dimension	2m
Min X dimension	0.67m
Min Y dimension	0.44m
Z Max dimension	3.5m
Z Standoff	1m
Measuring Volume	8.9m ³
Single point repeatability ^{(1), (2), (4)}	40 microns
Measuring accuracy, length/width ^{(1), (3)}	110 microns
Camera	Industrialized ultra high resolution professional mounted in sealed enclosure
Computer processor	Intel Core 2 Duo (Laptop available on request)
Processor speed	>3GHz
Hard disk	>80Gb
Optical drive	CDRW
Operating software	Windows XP Professional
Proprietary InspecVision software	InspecVision Software & Power Inspect Lite / Full
Opti Probe construction	Metallic core with ABS cladding
Power supply	110 - 230 Volt, single phase, 50/60Hz
Power consumption	24w
Wireless option- Power consumption	12 V Lithium Ion Battery
Battery Life	5 Hours continuous usage
EC directives	Compliant with Machinery, Low voltage and EMC Directives
Colour	Black carbon fibre effect
Ambient operating conditions	10-30 degree C
Weight Camera	6kg
Weight Tripod	3.8kg
Weight Probe	With Screen 2kg, Without Screen 1.8kg
Power Belt	3.4 Kg
Warranty	One year limited warranty on hardware and software
Optional extended warranty	Two or three year extended warranty (requires software upgrade option)
Software support option	Annual support contract provides free software upgrades

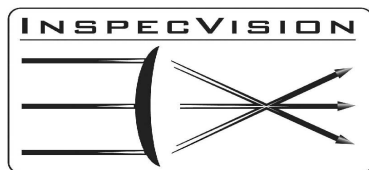
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(1) Accuracy results are based on tests conducted on standard production machines following best practice methods. Actual measuring accuracies achieved will depend on operating environment, user input and quality and condition of materials

(2) This test determines the repeatability of the system. The probe is placed in different positions throughout the measuring volume. At each position multiple measurements are taken and the average point and the deviation of each point to the average center are calculated. The result is the standard deviation.

(3) This test is the most representative test for volume measurement accuracy. A bar with a known and certified length is measured several times throughout the working volume. This bar is installed in different positions and measured multiple times at each location. The result is the standard deviation of the calculated distance

(4) Repeatability in Z direction is two and a half times greater



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Opti-Probe 90.40 Schematic

