



I-PROBE WIRELESS

Remote Hand-Held Probing



Parameter

Specification

Wireless Communication Distance	>40 m
Wireless Frequency	2.4 GHz
Lithium Ion Battery	3,6, or 9 working hrs

Vertical Probe Position (Top)

100mm Effective Stand-off (w/ 50mm Stylus)

	7m	15m	Above 15m
3D Points (3D ^U)	75µm	115µm	40µm + 5µm/m
Spatial Length (SL ^U)	±45µm	±85µm	±(10µm + 5)µm/m
Sphere Radius (R ^U)	±24µm	±38µm	±(10µm + 2)µm/m

Horizontal Probe Position

130mm Effective Stand-off (w/ 50mm Stylus)

	7m	15m	Above 15m
3D Points (3D ^U)	100µm	140µm	65µm + 5µm/m
Spatial Length (SL ^U)	±50µm	±90µm	±(15µm + 5) µm/m
Sphere Radius (R ^U)	±30µm	±45µm	±(15µm + 2) µm/m

Vertical Probe Position (Bottom)

310mm Effective Stand-off (w/ 50mm Stylus)

	7m	15m	Above 15m
3D Points (3D ^U)	125µm	165µm	90µm + 5µm/m
Spatial Length (SL ^U)	±65µm	±105µm	±(30µm + 5) µm/m
Sphere Radius (R ^U)	±34µm	±50µm	±(20µm + 2) µm/m

Definitions

3D Points Uncertainty (3D^U)

3D^U is the deviation between a point measured with the Intelliprobe 360™ Wireless and the nominal position of that point.

Spatial Length Uncertainty (SL^U)

SL^U is the deviation between a length measured with the Intelliprobe 360™ Wireless and its nominal value.

Sphere Radius Uncertainty (R^U)

R^U is the deviation between a measured sphere's radius and its nominal value where the reference sphere has a radius between 10 mm and 50 mm.

Measurement Unit Specification

3D^U, SL^U, and R^U are further specified as a function of the distance between the laser tracker and the measured surface.