

sensALIGN® 5



Technical data

Parameter	sensALIGN® 5 sensor
Type	5-axis sensor: 2 planes (4 displacement axes and angle) Measurement area: unlimited, dynamically extendible (U.S. Patent 6,040,903) Resolution: 1 µm (0.04 mil) and angular 10 µRad Accuracy (avg): > 98% Measurement rate: approx. 20 Hz
LED indicators	1 LED for laser adjustment and battery status 1 LED for Bluetooth communication
Power supply	Lithium-Ion rechargeable battery: 3.7 V / 5 Wh Operating time: 10 hours (continuous use) Charging time: Using charger – 2.5 h for up to 90%; 3.5 h for up to 100% Using USB port – 3 h for up to 90%; 4 h for up to 100%
External interface	Integrated Bluetooth 4.1 Smart Ready wireless communication USB 2.0 Full Speed
Transmission distance	Up to 30 m [98 ft] direct line of sight
Environmental protection	IP 65 (dustproof and water jets resistant) Shockproof Relative humidity: 10% to 90%
Ambient light protection	Yes
Temperature range	Operation: -10 °C to 50 °C (14 °F to 122 °F) Storage: -20 °C to 60 °C (-4 °F to 140 °F) Charging: 0 °C to 40 °C (32 °F to 104 °F)
Dimensions	Approx. 105 x 74 x 58 mm (4 9/64" x 2 29/32" x 2 1/4")
Weight	Approx. 235 g (8 1/3 oz.)
Universal charger for sensALIGN® 5 sensor	
Input	100 - 240 VAC / 50 - 60 Hz / 0.2 A
Output	5 VDC / 1 A / 5 W
Protection class	II / IP 52
Connector	Four plug adapters for North America, Japan, Australia, UK, EU
Device connection	USB cable
Temperature range	Operation: 0 ... +40°C (32 °F to 104 °F); Storage: -10 ..+80°C (14 °F to 176 °F)
Dimensions	approx. 71 x 41 x 31 mm [2 13/16" x 1 5/8" x 1 1/4"]
Parameter	sensALIGN® 5 laser
Type	Semiconductor laser diode
Beam divergence	0.3 mrad
Beam power	< 1 mW
Wavelength	630 – 680 nm (red, visible)
Laser class	Class 2 according to IEC 60825-1:2007 The laser complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007. Safety precaution: Do not look into laser beam
Power supply	Batteries: 2 x 1.5 V IEC LR6 ("AA") Operating time: 180 hours
Protection	IP 65 (dustproof and water jets resistant) Shockproof Relative humidity: 10% to 90%
Temperature range	Operation: -10 °C to 50 °C (14 °F to 122 °F) Storage: -20 °C to 60 °C (-4 °F to 140 °F)
Dimensions	Approx. 105 x 74 x 47 mm (4 9/64" x 2 29/32" x 1 27/32")
Weight	Approx. 225 g (7 15/16 oz.)