

## sensALIGN® 7



### Technical data

Parameter	sensALIGN® 7 sensor
Measurement range	Unlimited, dynamically extendible (US. Patent 6,040,903)
Measurement resolution	1 µm
CPU	ARM Cortex™ M3 2 GB Flash Memory
LED indicators	4 LEDs for laser adjustment 1 LED for Bluetooth® communication 1 LED for battery status
Power supply	Operating time: 12 hours continuous use Battery: Lithium Polymer rechargeable battery 3.7 V / 1.6 Ah 6 Wh
External interface	Integrated Bluetooth® Class 1 wireless communication, RS232, RS485, IData
Vibration measurement	mm/s, RMS, 10Hz to 1kHz, 0 mm/s – 5000/f • mm/s² (f in Hertz [1/s])
Inclinometer	Resolution: 0.1° Error: ± 0,25 % full scale
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) Charging: 0 °C to 40 °C (32 °F to 104 °F) Storage: -20 °C to 60 °C (-4 °F to 140 °F)
Dimensions	Approx. 103 x 84 x 60 mm (4 1/16" x 3 5/16" x 2 3/8")
Weight	Approx. 310 g (10.9 oz)

Parameter	sensALIGN® 7 laser
Type	Semiconductor laser
Beam power	< 1 mW
Beam divergence	0.3 mrad
Inclinometer	Resolution: 0.1° Error: ± 0.25 % full scale
LED indicators	1 LED for laser transmission 1 LED for battery status
Power supply	Lithium Polymer rechargeable battery 3.7 V / 1.6 Ah 6 Wh AC adapter/charger: 5 V / 3 A Operating time: 70 hours continuous use
Environmental 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) Charging: 0 °C to 40 °C (32 °F to 104 °F) Storage: -20 °C to 60 °C (-4 °F to 140 °F)
Dimensions	Approx. 103 x 84 x 60 mm (4 1/16" x 3 5/16" x 2 3/8")
Weight	Approx. 330 g [11.6 oz]