

tab@lign – Technical data

Parameter	tab@lign
sensALIGN® 3 Laser / Sensor	
Measurement principle	Coaxial, reflected laser beam
Detector	Measurement area: unlimited, dynamically extendible Resolution: 1 µm Accuracy (avg): > 98%
Laser	Type: Semiconductor laser diode Wavelength (typical) 670 nm (red, visible) Safety class: Class 2 according to IEC 60825-1:2007 Beam power: < 1 mW Beam divergence: < 0.3 mrad Safety precautions: Avoid looking directly into laser beam!
Inclinometer	Measurement range: 0° to 360° Resolution: 0.1° Error at 22 °C (Ta): ± 0.30% read out
Environmental protection	IP 67 (submersible, dustproof) Relative humidity: 10% to 90%
Ambient light protection	Yes
Temperature range	Operating temperature: -10 °C to 55 °C (14 °F to 131 °F) Storage temperature: -20 °C to 80 °C (-4 °F to 176 °F)
Dimensions	Approx. 107 x 70 x 49 mm (4 1/4" x 2 3/4" x 2")
Weight	Approx. 177 g (6 1/2 oz.)
Reflector	
Type	90° roof prism
Accuracy (avg)	> 99 %
Dimensions	Approx. 100 x 41 x 35 mm (4" x 1 5/8" x 1 3/8")
Weight	Approx. 65 g (2 1/2 oz.)
BT-Module	
Details	Class 1, wireless data transmission Transmitting power: 100 mW Transmission distance: up to 10 m (33 ft.) Complies with FCC rules part 15.247
LED indicators	1 LED for Bluetooth communication 3 LEDs for battery status
Power supply	Batteries 2x 1.5 V IEC LR6 ("AA") Operating time: 14 hours typical use (based upon an operating cycle of 50% measurement, 50% standby)
Temperature range	Operating temperature: -10 °C to 50 °C (14 °F to 122 °F)
Environmental protection	IP65 (dustproof and water jets resistant) Relative humidity: 10% to 90%
Dimensions	Approx. 81 x 41 x 34 mm (3 1/8" x 1 11/16" x 1 5/16")
Weight	Approx. 133 g (4.7 oz.) including batteries and cable