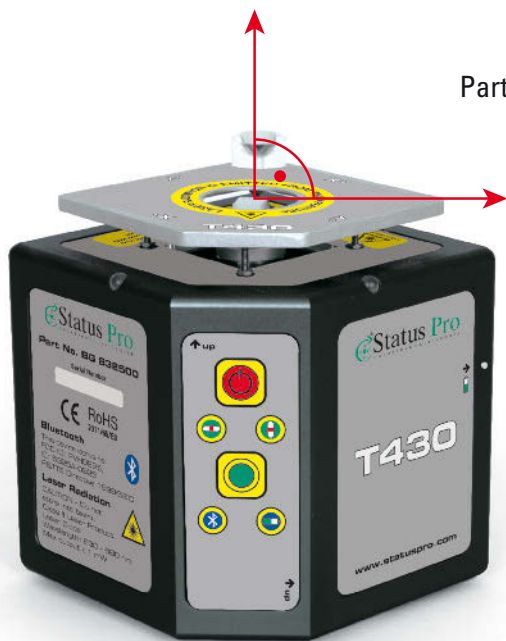
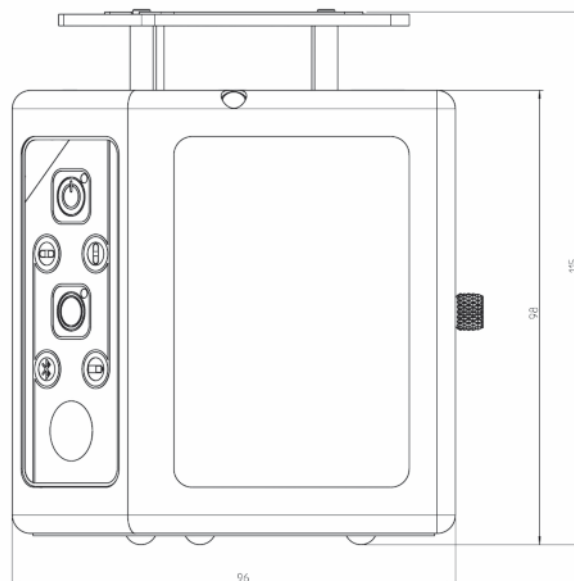


T430

Self levelling Sweep Laser



Part No.: BG 832500



The T430 is a precision Laser self-levelling Laser Transmitter. It has several unique features which make it ideal for the alignment of machine tools. For example: In spite of its performance spec the unit is very small 96 x 96 mm x 121 mm. It has fiberoptical laser source which is exactly round and of Gaussian intensity distribution. It has a self-calibration function because the housing is able to rotate 360°. The T430 generates two orthogonal optically coupled Laser beams. These and many other make the T430 ideal for machine tool alignment.

Technical Data

Laser protection class:	2 (EN 60825-1)	Interface:	Bluetooth
Static temperature Co-efficient (level):	10 μ Rad/K	Measurement range:	up to 50 metres
Dynamic temperature Co-efficient:	5 μ Rad/K/min	Power supply:	7,4 V Li-Ion Block
Squareness:	< 5 μ m/m (rotating)	Operating time:	> 5 hours non-stop operation with 1 Block; non-stop operation with power supply
Straightness:	1.2 μ m/m (2-axis measurement)	Dimensions:	98 x 98 x 117 mm
Step error:	\pm 20 μ m	Weight with Block:	960 g
Conical error:	\pm 10 μ m/m	Housing:	Aluminium, anodised
Level accuracy:	calibrated: \pm 5 μ m/m not calibrated: 20 μ m/m	Protection class:	IP 54
Temperature:	from -5 °C to +50 °C	Laser:	645 nm
Air humidity:	0 % – 85 % (non-condensing)	Required accessory:	BT 800071 Li-Ion Block, BT 800072 Battery Charger

CE All Status Pro Laser and Receiver Instruments are developed and manufactured according to the following CE Standards: EN 55 011, EN 55 022, EN 61 000-4-2, EN 61 000-4-3, EN 60 335.

This document was prepared with the utmost of care. Changes and errors cannot be completely avoided.

Declaration of conformity

In accordance with the EMC Directive 2004/108/EC, the Low Voltage Directive 73/23/EEC, including **amendments by the CE-marking Directive 93/68/EEC & EC directives RoHS, 2011/65/EU.**

Type of equipment	Laser Transmitter
Brand name or trade mark	Status Pro Maschinenmesstechnik GmbH
Type designation(s) / Model no(s)	T430, T420, T410 – BG 832500, /1, /2, /3
Manufacturer's name, address, telephone & fax no	Status Pro Maschinenmesstechnik GmbH Mausegatt 19 D-44866 Bochum Germany Tel.: +49 (0) 2327 / 9881 – 0 Fax: +49 (0) 2327 / 9881 – 81

The following standards and/or technical specifications, which comply with good engineering practice in safety matters in force within the EEA, have been applied:

Standard / Test report / Technical construction file / Normative document

Emission: EN 61000-6-3:2007.
Immunity: EN 6100-6-2:2005, EN 61000-4-2, -3.
ISO9001:2008 Ref. No / Issued by: DNV Certification No. 2009-SKM-AQ-2704 / 2009-SKM-AE-1419.

The laser is classified in accordance with the International Standard IES-60825-1:2007, USA FDA Standard 21 CFR, Ch I, Part 1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007.

The wireless device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Additional information

The product was CE-marked in 2016.

As manufacturer, we declare under our sole responsibility that the equipment follows the provisions of the Directives stated above.

Place and date of issue

Bochum, 2016-04-01

Signature of authorized person



David Foley, Managing Director



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