

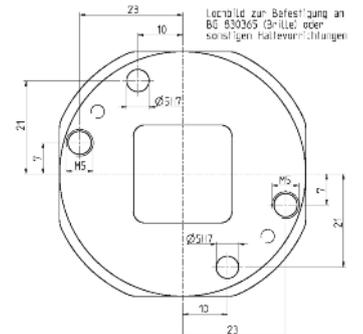
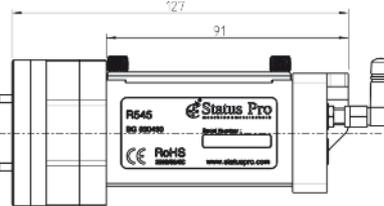
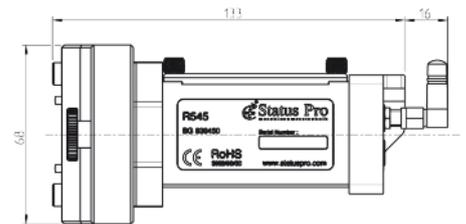
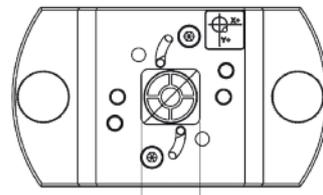
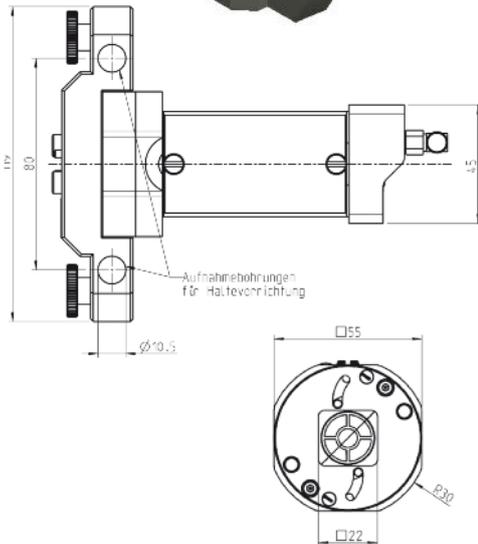
R545

Laser Receiver with a 2-Axis-PSD Technology and Bluetooth Interface

Article number: BG 830450



The R545 is a very accurate and yet robust Laser Position Sensor especially developed for measuring linearity. Connection with the Measurement PC for recording and display purposes is over Bluetooth. The R545 is powered by a commonly used Li-Ion Pack (externally rechargeable) ensuring continual measurement availability. Combined with the Pro Line software and a Bluetooth distance measurement meter, you are equipped to measure the X,Y and Z Axes simultaneously. The R545 is principally used for measuring the Straightness of Linear Guides, Bore-way Straightness and Roll parallelism.



Technical Data

Display:	Measurement displayed over Display Unit / PC	Protection Class:	IP 54
Measurement range:	20 x 20 mm minus the Laser-Ø	Housing:	Aluminium, anodised
Resolution:	1 µm	Weight (without Battery):	408 g
Measurement uncertainty:	±1 µm/m + 1% Sensor nonlinearity	Weight (with Battery):	452 g
Laser Wavelength:	650 nm / modulated	Weight (with Battery and mounting plate):	706 g
Interface:	Bluetooth Class 2 (Range up to 50 m)	Dimensions without mounting plate (B x H x T):	60 x 60 x 143 mm
Power supply:	7,4 V Li-Ion Battery Pack, exchangeable	Dimensions with mounting plate (B x H x T):	119 x 68 x 149 mm
Battery operating time:	> 8 Hours		

Necessary accessories: BT 800071 Li-Ion battery pack, BT 800072 external 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.

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