

Turn Device TD 1.5-2kg

Technical Data

Height of rotation axis		1.5 m (above floor level)
Load capability centric		2 kg
Material	at EUT section above drive unit	Rohacell with dielectric constant of 1.1 Plastic (mainly PVC and GRP)
Positioning accuracy		+/- 0.5°
Rotating angle		360°
Rotating speed adjustable between		0.5 to 3.0 rpm
Motor		Brushless DC motor 200 W
Interference suppression:		20 dB under limits EN 55022 class B
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Discharge current		25mA per drive unit (higher in the moment when powering on)
Control cable		Fibre optic lines
Remote control via		IEEE interface
Support drive		Toothed belts
Material of toothed belts		Kevlar reinforced (non-metallic)
Temperature range		+10 °C...+35 °C
Total weight	approx.	20 kg
Accessories		Interface to SCU/MCU/NCD Controller 1.5 m power supply cable Service manual

Brief description

The Turn Device **TD 1.5-2kg** is especially designed for mobile telephone measurements. Different sized mobile telephones can be mounted on the mounting bracket made of Rohacell.

The TD 1.5-2kg is usually mounted onto a turntable to have both 360° vertical and horizontal rotation for 3D measurements.

Together with the turntable the system performs three-dimensional over-the-air radiation measurements on handheld wireless devices, mainly mobile phones.

The measurement height is fixed – standard is 1.5 m above floor level. Other heights are available upon request.

The Turn Device, with the exception of the drive unit, is fabricated from plastic (Rohacell, PVC and reinforced fibreglass). Metal parts are located only in the base plate and the drive mechanism (max. 0.3 m above ground level).

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU or NCD Controller**.

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Fig.: TD 1.5-2kg mounted on turntable



Fig.: Fixing of EUT at TD 1.5-2kg

Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.