

## Turn Device TD 1.5-10kg

## **Technical Data**

Height of rotation axis Load capability centric Material above drive unit		1.5 m (above floor level) 10 kg Plastic with low dielectric constant
Positioning accuracy Rotating angle Rotating speed adjustable between		+/- 0.5° 360° 0.5 to 3.0 rpm
Motor Interference suppression:		Brushless DC motor 200 W 20 dB under limits EN 55022 class B
Current consumption Voltage Discharge current	max.	2A 208-230 VAC, 50/60 Hz, single phase 25mA per drive unit (higher in the moment when powering on)
Control cable Remote control via		Fibre optic lines IEEE interface
Support drive Material of toothed belts		Toothed belts Kevlar reinforced (non-metallic)
Temperature range Total weight	approx.	+10 °C+35 °C 30 kg
Accessories		Interface to SCU/MCU/NCD Controller 1.5 m power supply cable Service manual

## **Brief description**

The Turn Device **TD 1.5-10kg** is especially designed for mobile telephone measurements. Different sized mobile telephones can be mounted on the mounting bracket made of Rohacell.

The TD 1.5-10kg 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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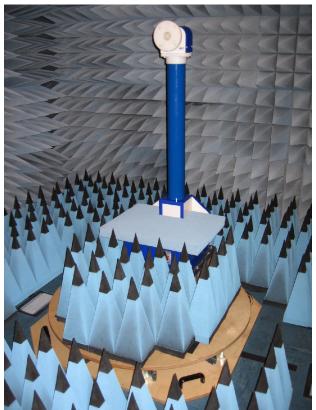


Figure 1: Turn Device TD 1.5-10kg mounted onto Turntable TT 1.2 WF



Fig.: Mounted Phantom head



Fig.: Opt. Mounting Plate for Laptops

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.

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