

Turn Device TD 1.5-10kg

Technical Data

Height of rotation axis above chamber floor	1.5 m standard (other heights available)
Load capability	10 kg
Material above drive unit	Plastic & reinforced plastics with low dielectric constant
Rotating speed adjustable between	0.5 to 3.0 rpm
Rotating angle	360°
Positioning accuracy	± 1°
Turntable drive	Toothed belt drive, worm gear
Motor	Brushless DC motor 150 W
Drive unit	shielded and radio interference suppressed under EN 55022 class B
Control cable	Fibre optic lines
Remote control via	IEEE interface
Current consumption	max. 2 A
Voltage	208-230 VAC, 50/60 Hz, single phase
Temperature range	-10°C to +35°C
Total weight	45 kg
Accessories	Interface to SCU/MCU 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 with or without “phantom heads”. Different sized mobile telephones can be mounted within the rotating frame along the “phantom head”.

Optionally also Notebooks (Laptops) can be mounted to the Turn Device with a special mounting plate made of Rohacell with a very low dielectric constant ϵ_r .

The Turn Device, with the exception of the drive unit, is fabricated from plastic (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**.

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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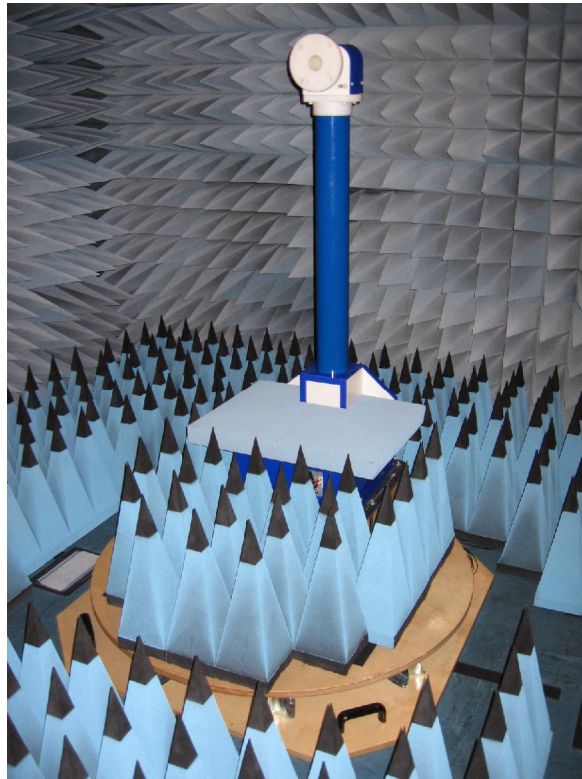


Figure 1: Turn Device TD 1.5-10kg mounted onto Turntable TT 1.2 WF

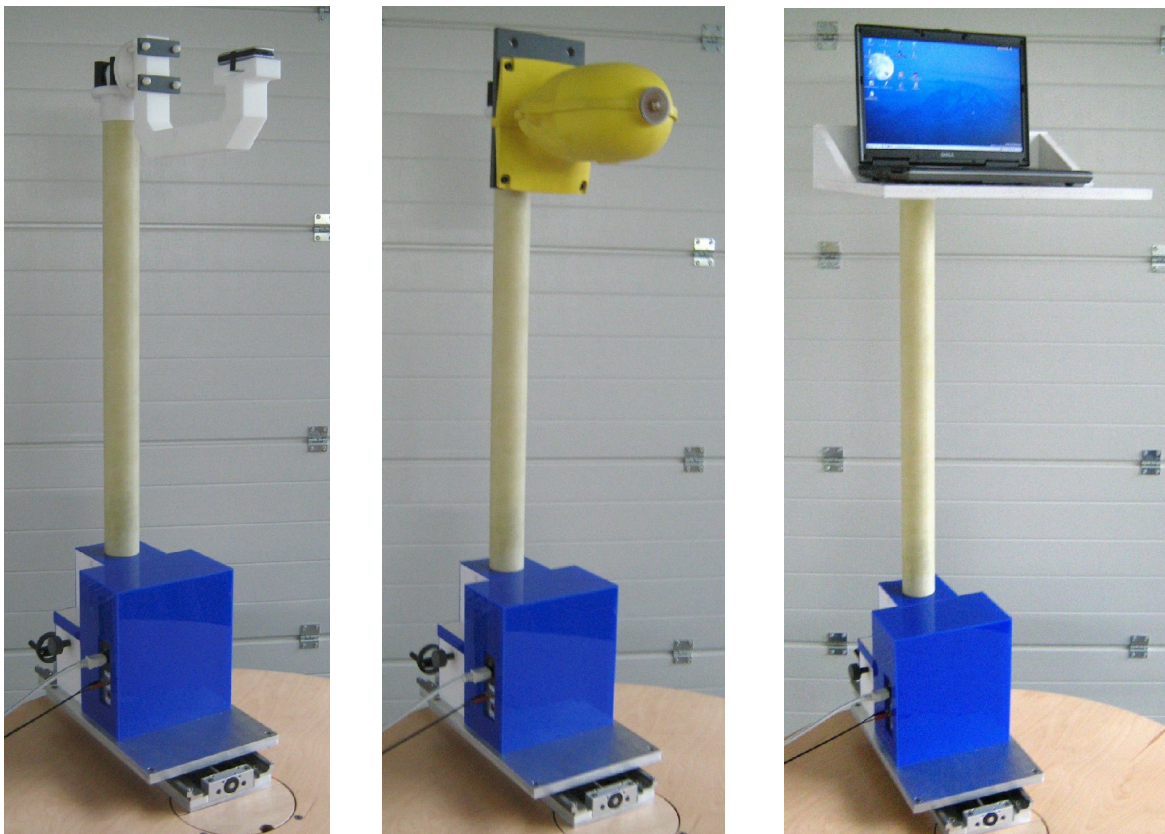


Figure 2: Different mounting options for mobile phones, phantom head and Note books