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Turn Device TD 1.5-10kg

Technical data:

Height of rotation axis	1.5 m (above floor level)
Total height	1.6 m
Load capability	10 kg
Material at EUT section	Rohacell
Dielectric constant ε_r at 1 MHz	1.05
Base (L x W)	0.6 m x 0.5 m
Material above drive unit	Plastics (mainly PVC and GRP)
Rotating angle	360°
Positioning accuracy	+/-0.5°
Rotating speed	1°/s – 15°/s
Motor	DC stepper motor
Support drive	Toothed belt
Material of toothed belts	Kevlar reinforced (non-metallic)
Voltage	110 VAC – 230 VAC, 50 Hz / 60 Hz single phase
Current consumption	max. 16 A
Required RCD	300 mA
Control cable	Fiber optic lines
Remote control via	LAN (TCP/IP); (IEEE only with NCD)
Operating temperature	10° C – 35 ° C
Total weight	approx. 40 kg
Accessories	Service manual 3 m power supply cable

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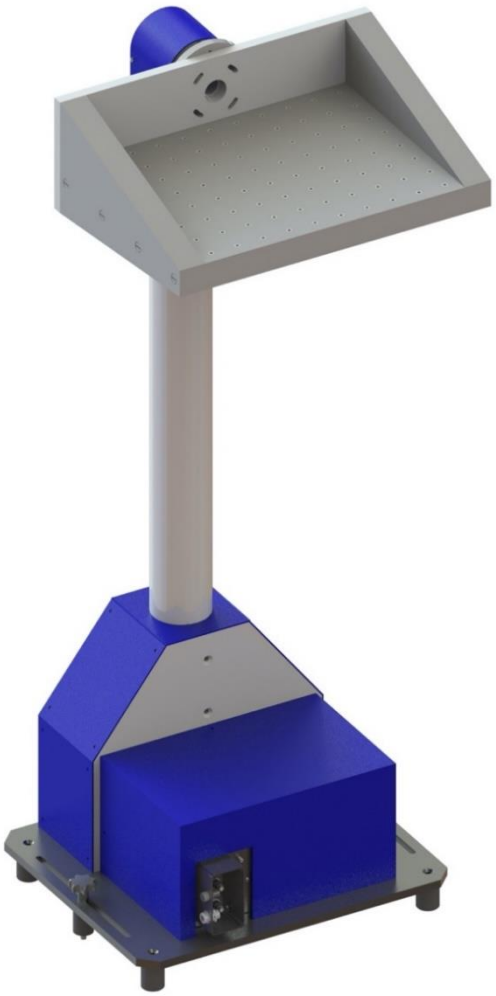
Brief description

The Turn Device TD 1.5-10 kg is especially designed for mobile telephone measurements. Different sized mobile telephones can be mounted on the mounting bracket made of Rohacell.
The TD 1.5-10 kg 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 LAN (TCP/IP) - interface provides an additional control option for all functions, when operated with the FCU$^{3.0}$ 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.