



Rainford EMC Turn Device TD 1.5-2Kg

Technical Data

Height of Rotation Axis Above Chamber Floor	1.5 m (Above Floor Level)	
Load Capability	2Kg	
Material	Holder Structure	Rohacell with dielectrical constant of 1.1 Plastic (PVC and reinforced fibreglass)
Positioning Accuracy	+/- 0.5°	
Rotating Angle	360°	
Rotating Speed Adjustable Between	0.2 to 2.0 rpm	
Rotation Drive	Antistatic Toothed Belts (non-metallic)	
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. 2A	
Voltage	208-230 VAC, 50/60 Hz, Single Phase	
Temperature Range	-10°C to +35°C	
Total Weight	30Kg	
Accessories	Interface to SCU/MCU 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 1.5m above floor level. Other heights are available upon request.

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 Controller**.



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