## Turn Device TD $1.5-2 \mathrm{~kg}$

## Technical data:

| Height of rotation axis | 1.5 m (above floor level) |
| :--- | :--- |
| Total height | 1.7 m |
| Load capability | Rohacell |
| Material at EUT section | 1.05 |
| Dielectric constant $\varepsilon_{r}$ at 1 MHz | $0.6 \mathrm{~m} \times 0.45 \mathrm{~m}$ |
| Base $(\mathrm{L} \times \mathrm{W})$ | Plastics (mainly PVC and GRP) |
| Material above drive unit | $360^{\circ}$ |
| Rotating angle | $+/-0.5^{\circ}$ |
| Positioning accuracy | $1^{\circ} / \mathrm{s}-15^{\circ} / \mathrm{s}$ |
| Rotating speed | DC stepper motor |
| Motor | Toothed belt |
| Support drive | Kevlar reinforced (non-metallic) |
| Material of toothed belts | $110 \mathrm{VAC}-230 \mathrm{VAC}, 50 \mathrm{~Hz} / 60 \mathrm{~Hz}$ |
| Voltage | 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 | $10^{\circ} \mathrm{C}-35^{\circ} \mathrm{C}$ |
| Total weight | approx. 20 kg |
| Accessories | Service manual |

## Brief description

The Turn Device TD $1.5-2 \mathrm{~kg}$ is especially designed for mobile telephone measurements. Different sized mobile telephones can be mounted on the mounting bracket made of Rohacell.
The TD $1.5-2 \mathrm{~kg}$ is usually mounted onto a turntable to have both $360^{\circ}$ 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 $\mathrm{FCU}^{3.0}$ 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.

