Tilt Device KE 2.5-R

Technical data:

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Height of rotation axis	325 mm (above base plate)
Total height	375 mm
Load capability	2.5 kg
Material tilting plate	Rohacell
Dielectric constant ε_r at 1 MHz	1.05
Base (L x W)	0.8 m x 0.4 m
Material tilting device	Plastics with low dielectric constant
Feed-through in rotation axis for cables	Ø 40 mm
Pneumatic polarization	0° / 90° (vert. / hor.)
Polarization time	approx. 3 s
Polarization drive	Pneumatic rotary actuator
Control	Solenoid valve
Nominal pressure	max. 6 bar
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. 10 kg
Accessories	Service manual 3 m power supply cable 15 m pneumatic air hose 8 mm 1x pneumatic feed through

Brief description

The Tilting Device **KE 2.5-R** is especially designed for radiated measurements on devices under test at horizontal rotation axis. Different types of devices can be mounted onto the tilting plate made of Rohacell.

Clamping bolts, made of Rohacell, are integrated on the tilting plate which allows the fixing and adjustment of cables.

The Tilting Device, with the exception of the pneumatic rotary actuator, is completely fabricated from plastic, mainly Rohacell, with a very low dielectric constant ε_r
Polarization occurs using compressed air. A solenoid valve located outside of the chamber regulates the compressed air flow.

The **LAN (TCP/IP) - interface** provides an additional control option for all functions, when operated with the **FCU$^{3.0}$ or NCD Controller.**
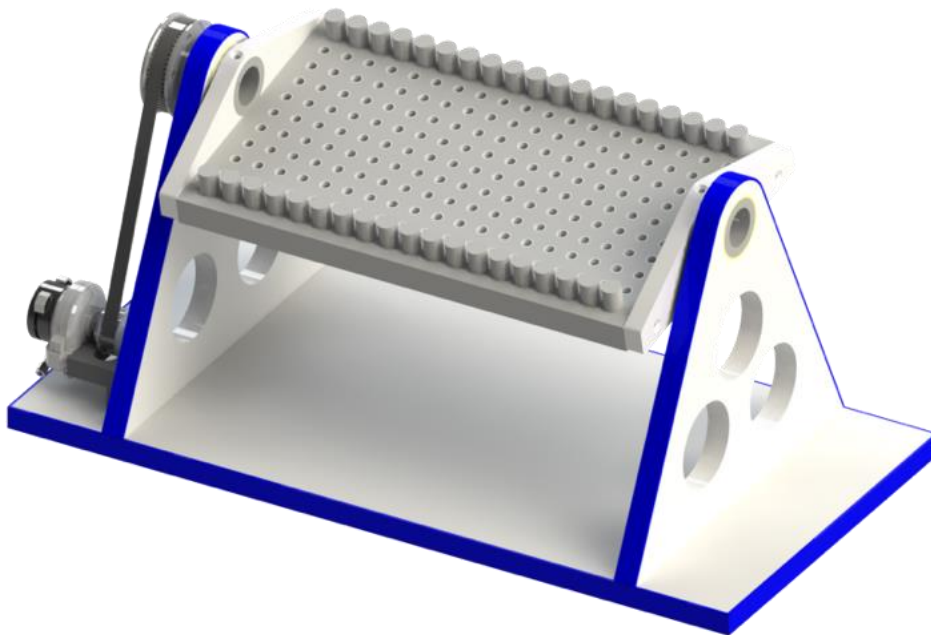
Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.