maturo GmbH
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Tilt Device KE 2.5-R

Technical Data

Height of rotation axis		325 mm (above base plate)
Load capability		2.5 kg
Dimensions tilting plate (L x W)		500 x 300 mm
Material tilting plate		Rohacell (incl. mounting holes)
Dielectric constant ε_r at 1 MHz		1.1
Dimensions tilting device (L x W x H)		800 x 400 x 375 mm
Material tilting device		Plastic with low dielectric constant
Feed-trough in rotation axis for cables		Ø 40 mm
Polarisation		0°/90° (vert./hor.)
Polarisation time 0°/90°		approx. 3 sec
Drive via		non- metallic toothed belt
Polarisation drive		Pneumatic rotary actuator
Control		Solenoid valve
Pressure	max.	6 bar
Current consumption (outside chamber)	max.	2 A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		+10°C to +35°C
Total weight		15 kg
Accessories		Interface to SCU/MCU/NCD Controller 2x 15 m air hose Service unit outside the chamber Service manual

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

Polarisation occurs using compressed air. A solenoid valve located outside of the chamber regulates the compressed air flow.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU or NCD Controller.**

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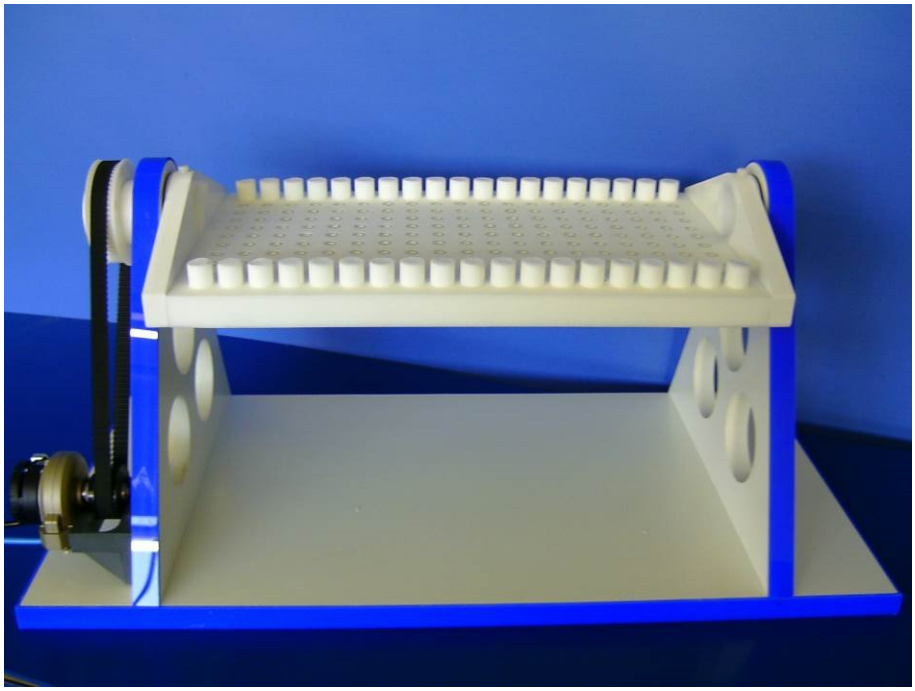

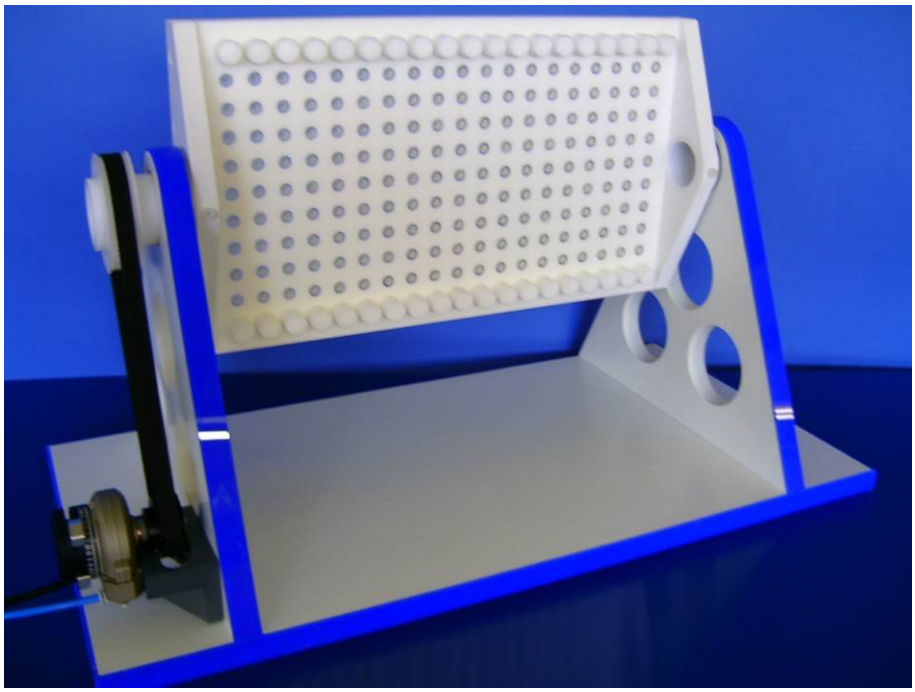

Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.

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