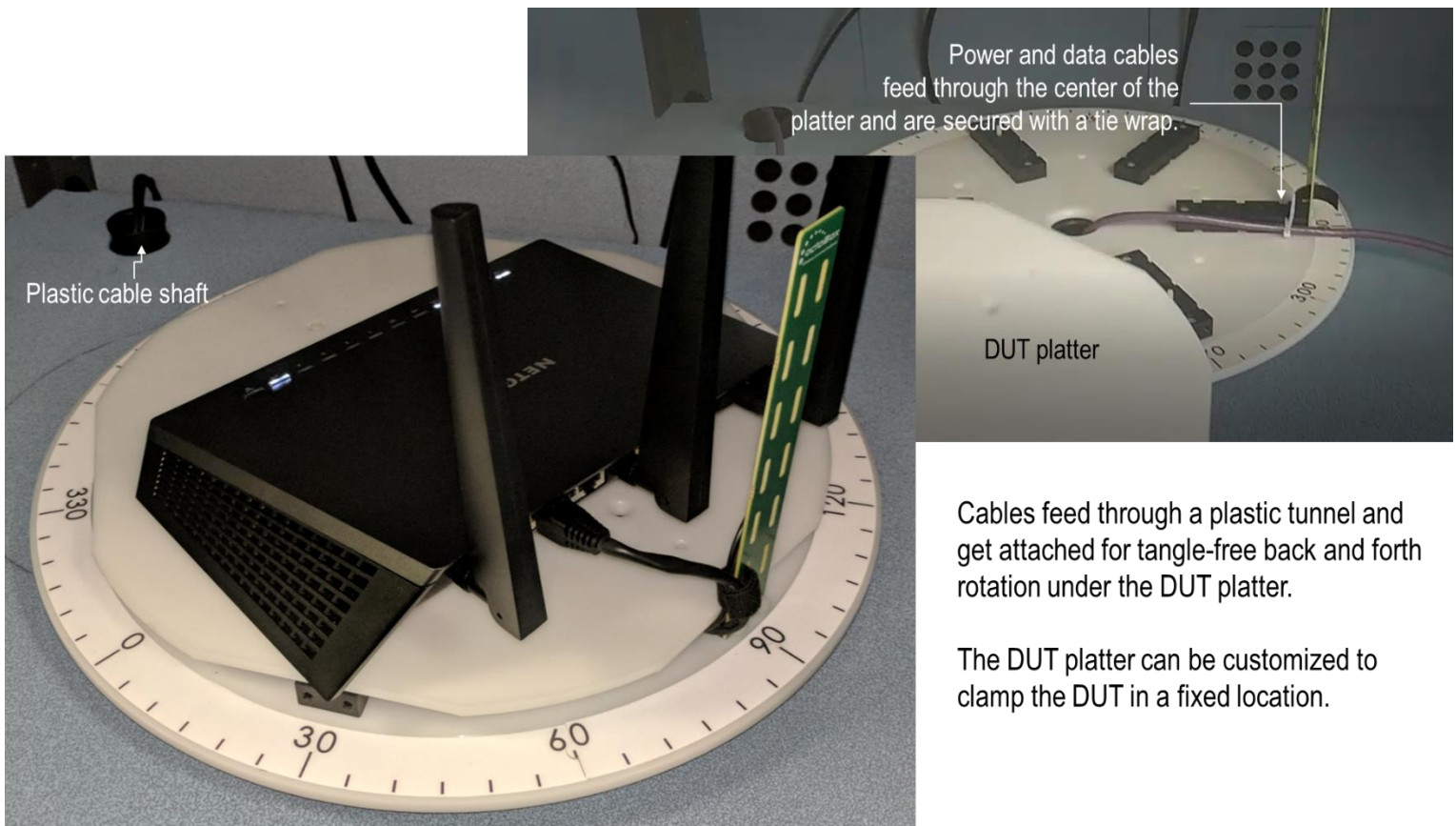




octoBox turntable datasheet

Programmable turntable built-in to the octoBox® semi-anechoic chamber for controlled MIMO over the air (OTA) testing



Cables feed through a plastic tunnel and get attached for tangle-free back and forth rotation under the DUT platter.

The DUT platter can be customized to clamp the DUT in a fixed location.

APPLICATIONS

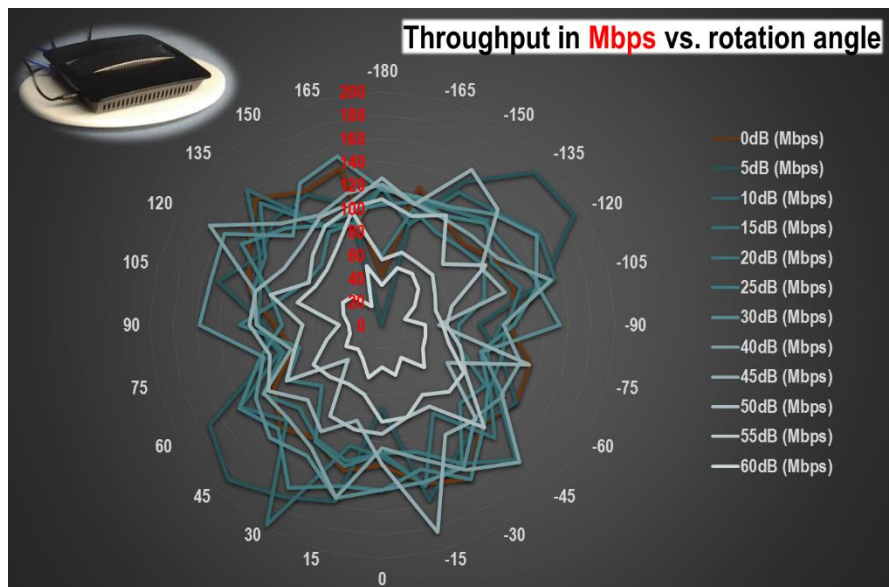
- ✚ Wi-Fi (802.11a/b/g/p/n/ac/ax), mmWave, LTE, FDD and LTE-Advanced testing
- ✚ Throughput measurement vs. orientation and vs. range when used in the octoBox personal testbed
- ✚ Validation of MIMO, beamforming and diversity performance
- ✚ RX sensitivity measurements

FEATURES & BENEFITS

- ✚ High angular resolution of 1°
- ✚ RPM controllable from 0 to 10 RPM
- ✚ Supports up to 10 kg DUT
- ✚ Flexible DUT mounting system
- ✚ USB control interface
- ✚ Under-DUT cable duct
- ✚ octoBox software automates MIMO throughput measurements

The octoBox® turntable is a low profile anechoic turntable that rotates a device under test (DUT) enabling you to measure throughput vs. range vs. orientation. Precision machined of RF transparent plastic, the turntable maintains semi-anechoic environment in the [octoBox](#) wireless personal testbed for accurate and repeatable testing of Wi-Fi, LTE, Bluetooth, cellular and other technologies.

Embedded into a stable semi-anechoic environment of the octoBox personal testbed, the turntable enables software controllable DUT rotation while you measure throughput, RX sensitivity and other parameters. Measurements can be averaged or plotted vs. angular position of the DUT.



USER AND AUTOMATION INTERFACE

Control interfaces:

- Browser UI (see right)
- REST API
- Text socket interface

Use *sweep* or *wiper* mode for continuous motion.

Position (deg) 291
Velocity (rpm) 10.000
status moving

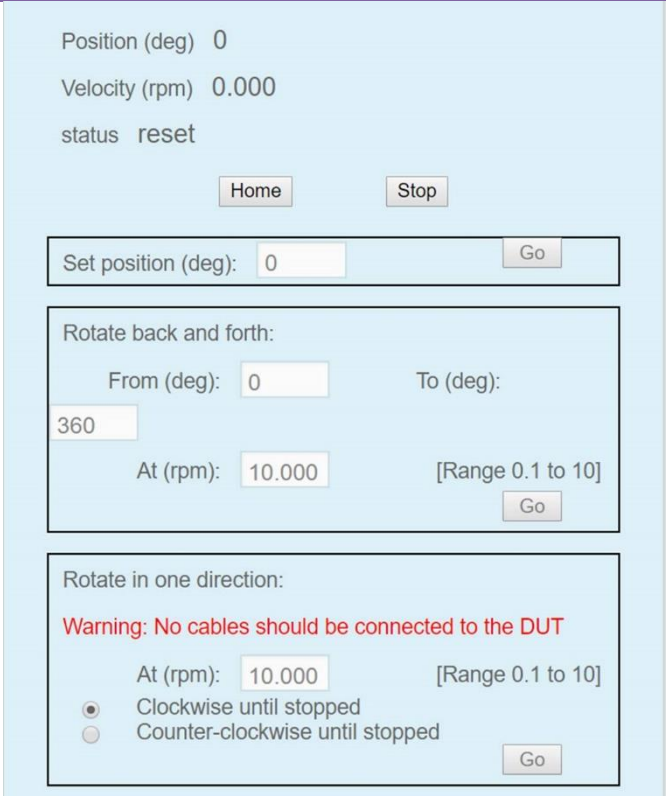
Home Stop

Set position (deg): 0 Go

Rotate back and forth:
From (deg): 0 To (deg): 360
At (rpm): 10.000 [Range 0.1 to 10] Go

IP Settings:
IPv4 Address 169.254.99.99
Subnet Mask 255.255.0.0
Default Gateway 0.0.0.0 Update

SPECIFICATIONS

Parameter	Specification
Angular positioning accuracy	+/- 1°
Rotational speed	0 to 10 rpm
Payload weight	10 kg (22 LBS) max
Test automation	REST API or text socket interface
Browser UI	 The screenshot shows a web interface for controlling a turntable. It displays the current position (0 degrees) and velocity (0.000 rpm). There is a 'status reset' button. Below these are 'Home' and 'Stop' buttons. A 'Set position (deg):' field is set to 0, with a 'Go' button. A section for 'Rotate back and forth' includes 'From (deg):' (0), 'To (deg):' (360), 'At (rpm):' (10.000), and a 'Go' button. A warning message states 'Warning: No cables should be connected to the DUT'. Below this is a section for 'Rotate in one direction' with 'At (rpm):' (10.000) and two radio button options: 'Clockwise until stopped' (selected) and 'Counter-clockwise until stopped'. A 'Go' button is at the bottom right.

[This video](#) explains how the turntable operates.

CONTACT

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