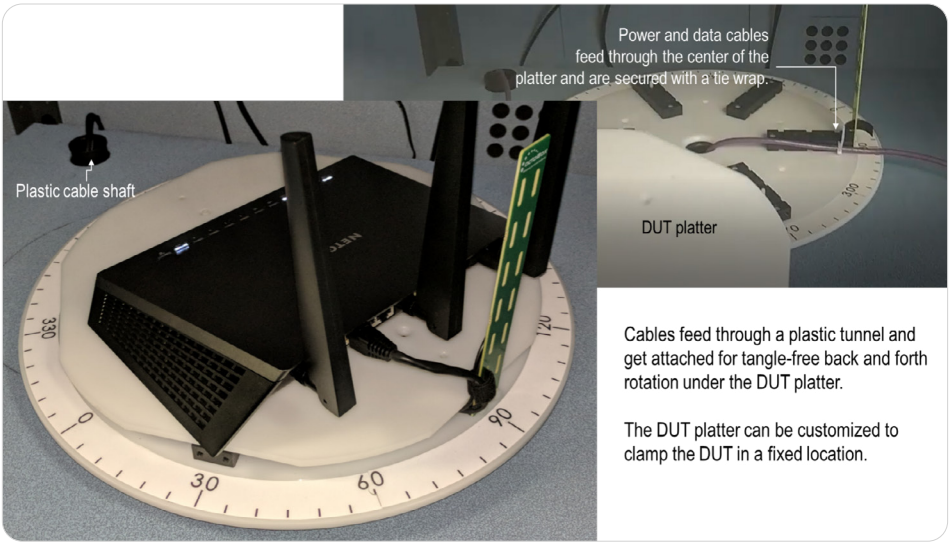
DATASHEET

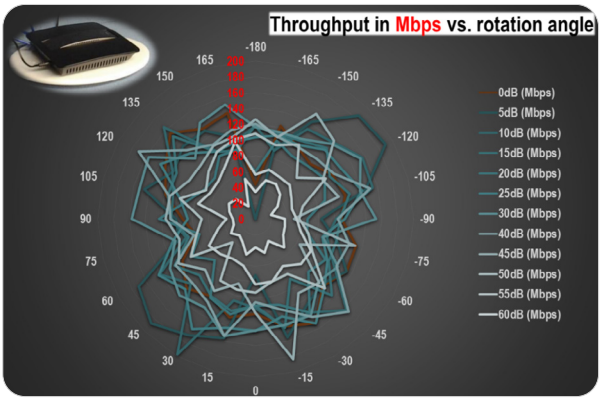
OCTOBOX® turntable

A built-in programmable turntable

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 measuring throughput, RX sensitivity and other parameters. Measurements can be averaged or plotted vs. angular position of the DUT.





Features and Benefits

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

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

About Spirent

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks. We help bring clarity to increasingly complex technological and business challenges. Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

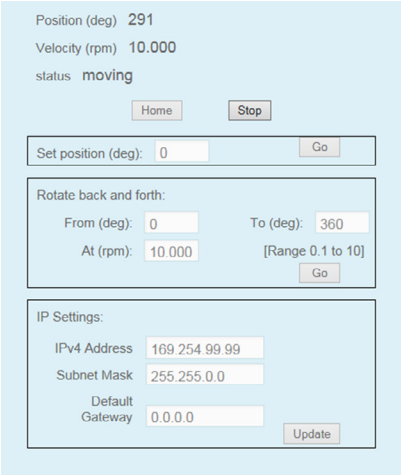
For more information visit: www.spirent.com

User and Automation Interface

Control interfaces

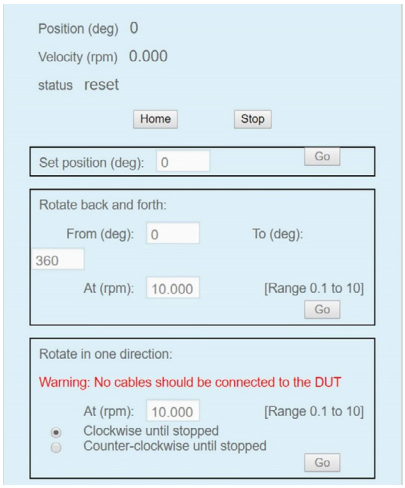
- Browser UI (see right)
- REST API
- Text socket interface

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



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	



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