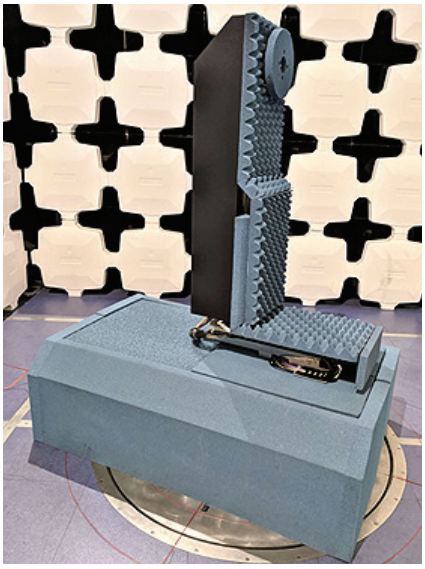
POSITIONERS 2304 PRECISION MAPS



ETS-Lindgren's Model 2304 Precision Mobile Multi-Axis Positioning System (MAPS) is engineered for smooth, independent 360° rotation of a test object in both theta and phi axes, making it ideal for measuring spherical antenna patterns and total radiated power. With a positioner accuracy of 0.3° and fine resolution of 0.01°, the 2304 delivers highly precise, repeatable positioning. Variable-speed axis rotation and adjustable height on the theta axis enhance flexibility for a wide range of test scenarios, while integrated slip rings provide power (+/–), RF connectivity up to 50 GHz, and USB connections directly to the test object.

The Model 2304 is designed for ease of use and mobility within existing semi-anechoic chambers and multipurpose test facilities. Casters combine wheels for transport and feet for secure measurement stability, allowing the system to be easily moved and redeployed by a single operator. Fiber optic control lines eliminate RF noise, ensuring clean, interference-free operation. Optimized for radiated spurious emissions (RSE) measurements and other advanced testing needs, the 2304 offers a versatile, space-efficient solution for accurate multi-axis positioning in shared or dynamic test environments.

2304 PRECISION MAPS

- **360° Independent Rotation in Both Theta and Phi Axes**
- **Positioner Accuracy of 0.3°**
- **Positioner Resolution of 0.01°**
- **Variable Speed Axis Rotation**
- **Vairable Height on Theta Axis**
- **Slip ring for Power (+/-), RF (to 50 GHz), and USB connectivity to the test object**
- **Casters Integrate both Wheels for Mobility and Feet for Measurement Stability**
- **Easily Moved by One Person**
- **Suitable for Radiated Spurious Emissions (RSE) Measurements**
- **Fiber Optic Control Lines**

Technical Specifications

Electrical	
Phase	Single
Voltage	208/240 VAC; < 20 A 50/60 Hz
Current	20 A
Connector	IEC 320 C14
Physical	
Height	1632.18 mm – 1832.18 mm (64.3 in – 72.13 in)
Width	863.6 mm (34 in)
Length	1320.8 mm (52 in)
Weight	140.6 kg (310 lb)
Rotational Axis Height Above Floor	1.5 m – 1.7 m (4.92 ft – 5.58 ft)
Maximum DUT Weight	10 kg (22.0 lb)
Recommended DUT Max. Dimension	40 cm (15.75 lb)

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