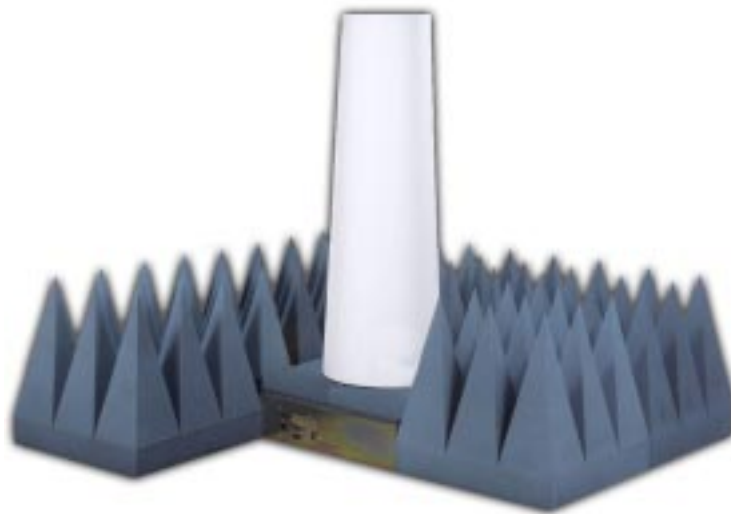


Test Equipment  
**Light Duty  
Azimuth Positioner**

**Model 2005**

**Features:**

- **360° Azimuth Rotation**
- **Positioner Accuracy  $\pm 0.75^\circ$**
- **Variable Speed (4 Presets- 0.25, 0.5, 1.0, & 2.0 RPM)**
- **Controlled Via RS-232 Serial Connection**
- **Optional RF Rotary Joint for Continuous Rotation**
- **Compatible with Optional EMQuest™ EMQ-100 and EMQ-100 Lite Antenna Pattern Measurement Software**



*ETS-Lindgren Model 2005 Light Duty Azimuth Positioner*

ETS-Lindgren's Model 2005 Light Duty Azimuth Positioner is designed to provide azimuth rotation of a lightweight test object. It is intended primarily as an inexpensive solution for basic azimuth (polar) pattern measurements of passive and active devices. The Model 2005 is fully compatible with our EMQuest™ EMQ-100 Lite Antenna Pattern Measurement Software for passive antenna pattern measurement. For pattern measurement of active devices, a software upgrade to our fully-functional standard EMQuest™ EMQ-100 Antenna Pattern Measurement Software is recommended.

**Features**

**Positioning**

The Model 2005 offers positioning resolution of  $0.1^\circ$ . Objects can be rotated in a continuous  $360^\circ$  clockwise/counterclockwise direction at one of four preset speeds. Continuous rotation may require an optional SMA RF rotary joint.

**Low RF Coupling**

The Model 2005 unit has been carefully designed from the frame up to offer minimal physical obstruction to RF fields. The motor and control unit is enclosed in an RF shielded enclosure and the entire drive assembly is designed to fit in a 2' x 2' (61 cm) square; compatible with the

base dimensions of typical microwave absorber material. A two-inch (5.08 cm) flat lossy foam absorber block covers the upper surface of the drive box and turntable for additional RF isolation from the Device Under Test (DUT). An expanded polystyrene foam column supports DUTs of up to 25 lbs. (11.3 kgs.).

**PC Control**

The Model 2005 is controlled directly from a PC via a low cost RS-232 serial interface. A simple command set is provided for development of controlling software, or the unit may be interfaced to our EMQuest™ EMQ-100 or EMQ-100 Lite Antenna Pattern Measurement Software packages for fully automated data acquisition.

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*Test Equipment*  
**Light Duty**  
**Azimuth Positioner**

**Models 2005**

**Standard Configuration**

- 2005 Turntable Assembly
- Expanded Polystyrene Column
- RS-232 Filtered Feedthrough
- Two (2) RS-232 Serial Cables
- Manual
- Two-Year Warranty

**Options**

- EMQuest EMQ-100 Lite Antenna Pattern Measurement Software
- EMQuest EMQ-100 Antenna Pattern Measurement Software (Standard Version)
- SMA RF Rotary Joint for Continuous Rotation. Rated to 26.5 GHz
- Additional DUT Support Columns, Custom Heights

**Electrical Specifications**

MODEL	VOLTAGE	PHASE
2005	120 - 240 VAC 50 - 60 Hz	Single

**Physical Specifications**

MODEL	BASE HEIGHT (STANDARD)	ON CENTER TEST OBJECT LOAD RATING	DUT SUPPORT COLUMN HEIGHTS
2005	25.4 cm 10 in	11.3 kg 25.0 lb	p/n 108748 86.4 cm (34 in) p/n 108735 152.4 cm (60 in)

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