

TURNTABLES SERIES 2181



SERIES 2181

- **Fiber Optic Control Lines To Eliminate RF Noise**
- **Variable Speed**
- **Extra-heavy Duty Drive Train**
- **Aluminum Top and Bottom Plate for Corrosion Resistance**
- **Continuous or Limit Switch Limited Rotation**
- **Various Customization Options Available**

ETS-Lindgren's Series 2181 Turntables feature a robust aluminum construction and an extra-heavy-duty drive train designed for long-lasting reliability in demanding test environments. The 2181 turntable can be used with the popular ETS-Lindgren EMCenter™ with EMControl™ plug-in card.

Profile

Model 2181 series turntables are slightly taller than the model 2187 turntables which allows more EUT interface cabling routed thru the center plate of the turntable while providing the extra heavy duty load capacity. The Model 2181 turntables feature a durable bronze filament ground brush and matching wear strip to provide continuous electrical coupling with the ground plane. Available in multiple standard configurations, including various diameters, load capacities, and drive speeds, these turntables can also be fully customized to meet unique testing requirements including provide turntable platform for integrated 4 wheel dyno for automotive testing.

Fiber Optic Travel Limits

The Model 2187 series operates with proprietary fiber optic limit switches to prevent damage to EUT power and signal cables routed thru the center plate of the turntable. The travel range can be adjusted from the top of the turntable using a unique system of adjustable limits. These limits can be disabled to allow continuous rotation in specific installations.

Standard Accessories (For All Options)

- 10 m (32.8 ft) Fiberoptic Duplex ST-Multimode Cable
- 2 Piece ST-ST Bulkhead Penetration Kit

Options (For All Models)

- Custom Center Plate Configurations for EUT Connections
- Custom slip ring for various power and control cable designs allowing continuous rotation
- Custom sizes available
- Interface cabling and outlets on the outer edge of the turntable
- Outdoor Installation configuration

TURNTABLES SERIES 2181

Physical Specifications

Model	Diameter	Permissible Distributed Load	Permissible Point Load	Height	RPM Range
2181-2.03	2.0m (6.56ft)	1500kg (3307 lb)	No Point Loads under 0.37 ² (4.0 ft ²) should exceed 500 kg (1110 lb)	44.8cm (17.6in)	0.5–2.0 RPM
2181-3.03	3.0m (9.84ft)	4000kg (8818lb)	No Point Loads under 0.37 ² (4.0 ft ²) should exceed 500 kg (1110 lb)	44.8cm (17.6in)	0.5–2.0 RPM
2181-4.03	4.0m (13.12ft)	6000kg (13228lb)	No Point Loads under 0.37 ² (4.0 ft ²) should exceed 500 kg (1110 lb)	44.8cm (17.6in)	1.2 m (3.94 ft)
2181-5.03	5.0m (16.40ft)	6800kg (14991lb)	No Point Loads under 0.37 ² (4.0 ft ²) should exceed 500 kg (1110 lb)	44.8cm (17.6in)	0.5–2.0 RPM
2181-6.03	6.0m (19.69ft)	9000kg (19842lb)	No Point Loads under 0.37 ² (4.0 ft ²) should exceed 500 kg (1110 lb)	44.8cm (17.6in)	0.5–2.0 RPM

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Physical Specifications

Model	Turntable Top Material	Positioning Accuracy	Rotating Angle	Voltage and Frequency
2181-2.03	Aluminum	± 0.5°	Continuous or Limited with Configurable Limit Switches	220/230 VAC, 50/60 Hz
2181-3.03	Aluminum	± 0.5°	Continuous or Limited with Configurable Limit Switches	220/230 VAC, 50/60 Hz
2181-4.03	Aluminum	± 0.5°	Continuous or Limited with Configurable Limit Switches	220/230 VAC, 50/60 Hz
2181-5.03	Aluminum	± 0.5°	Continuous or Limited with Configurable Limit Switches	220/230 VAC, 50/60 Hz
2181-6.03	Aluminum	± 0.5°	Continuous or Limited with Configurable Limit Switches	220/230 VAC, 50/60 Hz

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Physical Specifications

Model	Current Consumption	Remote Control	Drive Unit	Temperature Range
2181-2.03	10A	Fiber optic, Duplex ST-Multimode cable	Shielded assembly. 20dB below CISPR 11 Class B limits	5-40°C, 41-104 °F
2181-3.03	10A	Fiber optic, Duplex ST-Multimode cable	Shielded assembly. 20dB below CISPR 11 Class B limits	5-40°C, 41-104 °F
2181-4.03	10A	Fiber optic, Duplex ST-Multimode cable	Shielded assembly. 20dB below CISPR 11 Class B limits	5-40°C, 41-104 °F
2181-5.03	10A	Fiber optic, Duplex ST-Multimode cable	Shielded assembly. 20dB below CISPR 11 Class B limits	5-40°C, 41-104 °F
2181-6.03	10A	Fiber optic, Duplex ST-Multimode cable	Shielded assembly. 20dB below CISPR 11 Class B limits	5-40°C, 41-104 °F