



Nortec Scanners Rotating Scanners

FEATURES

- Speed ranges from 40 to 3000 rpm
- Frequency ranges from 100 Hz to 6 MHz
- Connector types:
 - 4-pin Lemo
 - 4-pin Fischer
 - 4-pin Switchcraft
 - Custom tri-axial (Gulton)
- Probe types:
 - Reflection differential
 - Absolute bridge
 - Absolute reflection
 - Differential bridge
 - Differential reflection
- PowerLink™ technology - automatic scanner recognition and setup of frequency, gain, and filters
- Red LED alarm indicators on handheld models

NORTEC ROTATING SCANNERS

Olympus NDT's extensive line of high performance NORTEC Eddy Current scanners is available for use with Nortec Eddy Current Flaw Detectors. With a wide range of features consisting of speed ranges from 40 to 3000 rpm, frequency ranges from 100 Hz to 6 MHz, multiple connector types, and multiple probe types, NORTEC scanners offer a full range of application solutions. Some

of the more common applications are: airframe hole inspection with or without fasteners, wheel bolthole inspections, surface inspections, post production testing for cracks, tube plug testing, and low frequency inspections through multiple aircraft skin layers.

| | Nortec® 19ell | Nortec® 24 | Nortec® 1000 | Nortec® 2000 S/D | WorkStation 210/215/220 | Nortec® 500 |
|-----------|---------------|--------------|--------------|------------------|-------------------------|----------------|
| MiniMite | 1200 rpm | 1200 rpm | No | 600 - 3000 rpm | 600 - 3000 rpm | 600 - 3000 rpm |
| RA-2000 | 1200 rpm | 1200 rpm | No | 600 - 2400 rpm | 600 - 2400 rpm | 600 - 2400 rpm |
| SplitFire | 1200 rpm | 1200 rpm | No | 600 - 3000 rpm | 600 - 3000 rpm | 600 - 3000 rpm |
| PS-4 | 1 - 1500 rpm | 1 - 1500 rpm | 1 - 1500 rpm | 1 - 1500 rpm | 1 - 1500 rpm | 1 - 1500 rpm |
| PS-SAL | 60 - 200 rpm | No | No | 60 - 240 rpm | 60 - 240 rpm | 60 - 240 rpm |

NORTEC ROTATING SCANNERS SPECIFICATIONS*

MINIMITE SCANNER



Speed Range: Variable, 600 to 3000 rpm
Speed Control: Instrument controlled
Frequency Range: 200 kHz - 6 MHz
Probe Connector: 4-pin Lemo or 4-pin Fischer with "O" rings
Probe Types: Reflection differential
Signal Coupling: Rotary transformer
Mounting: Hand held
Orientation: No physical restrictions
Alarm: Red LED indicator, located at the rear and top of the case
Cable Connector: 16-pin Lemo
Size: 3.5" L x 1.0" W x 1.5" H (89 mm x 25 mm x 38 mm)
Weight: 4 oz. (0.28 kg)

RA-2000 SCANNER



Speed Range: Variable, 600 to 2400 rpm
Speed Control: Instrument controlled
Frequency Range: 200 kHz - 6 MHz
Probe Connector: 4-pin Lemo
Probe Types: Reflection differential
Signal Coupling: Rotary transformer
Mounting: Hand held
Orientation: No physical restrictions
Alarm: Red LED indicator, located at the rear and top of the case
Cable Connector: 16-pin Lemo

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Size: 3.0" L x 1.25" W x 5.0" H (76 mm x 32 mm x 127 mm)

Weight: 10 oz. (0.11 kg)

SPITFIRE 2000 SCANNER



Speed Range: Variable, 600 to 3000 rpm
Speed Control: Instrument controlled
Frequency Range: 100 kHz - 6 MHz
Probe Connector: 4-pin Fischer with "O" rings
Probe Types: Reflection differential
Signal Coupling: Rotary transformer
Stall Torque: 30 oz.-inch max (0.85 kg-millimeter max)
Torque Selection: Switchable between three ranges (low, medium, and high)
Mounting: Hand-held, pistol grip, finger hook, and special fixture mounts
Orientation: No physical restrictions
Alarms: Red LED indicator, located at the rear and top of the case
Cable Connector: 16-pin Lemo
Size: 6.0" L x 1.7" diameter (152 mm x 43 mm)
Weight: 1 lbs. (5.6 kg)

PS-5 AL SCANNER



Speed Range: Variable, 40 to 240 rpm
Speed Control: Instrument controlled
Frequency Range: 100 kHz - 12 MHz

Probe Connector: Staveley Tri-axial (accommodates Gulton style probes)

Probe Types: Absolute and differential in both Bridge and Reflection configurations. Will also accept single coil probes

Signal Coupling: Axial rotary slip rings

Translation Range: Variable to 1.5 in. (38 mm) and reversible. Probe retraction limit is variable to compensate for different probe lengths.

Mounting: Hand-held or special fixture

Orientation: No physical restrictions

Cable Connector: 16-pin Lemo

Size: 5.0" L x 1.9" W x 2.5" H (127 mm x 48 mm x 64 mm)

Weight: 2 lbs. 6 oz. (1.1 kg)

PS-4 SCANNER



Speed Range: Variable, 1 to 1500 rpm
Speed Control: PS-4 Controller
Frequency Range: 500 kHz - 6 MHz
Probe Connector: 6-pin Lemo or 4 pin Switchcraft
Probe Types: Reflection absolute or differential configurations
Signal Coupling: Rotary transformer
Mounting: Mounting foot provided
Orientation: No physical restrictions
Cable Connector: 22-pin Burndy connector
Size: 15.0" L x 3.25" W x 5.0" H (381 mm x 83 mm x 127 mm)
Weight: 8.5 lbs. (3.9 kg)

