



NORTEC 500 Series

The lightweight NORTEC 500 Series eddy current flaw detectors incorporate a full range of features such as internal balance coils and VGA output connector. Various models also include features such as conductivity and coating thickness, rotating scanner compatibility, and dual frequency.

Eddy current flaw detectors

The NORTEC 500 Series, Olympus' newest eddy current flaw detectors incorporate a full range of features: internal balance coils, VGA output connector (for heads up displays, monitors, and projectors), and a USB interface for rapid information transfer. The NORTEC 500 also includes PowerLink™, for automatic probe recognition and program set-up.

The NORTEC 500 improves on previous NORTEC eddy current instruments and is available in four configurations. Each configuration includes USB port and increased resolution with reduced noise. Internal balance coils allow use of inexpensive absolute probes without the need for external balance coil adapters. A built-in preamp adds extra gain when needed for difficult tests. VGA output allows for the display to be projected or viewed on a standard computer screen. The optional remote-null adapter adds convenience by allowing the probe to be nulled and the instrument screen erased from the probe.

Where weight is critical, the smaller battery lightens the instrument to 1.3 kg (2.9 lbs) while keeping the full VGA resolution and display size.

*The **NORTEC 500** delivers basic single frequency eddy current inspection including external outputs.*

*The **NORTEC 500C** adds digital conductivity and coating thickness measurement capability in addition to basic single frequency eddy current inspection.*

The **NORTEC 500S** builds on the foundation of the N500C and adds the ability to use rotating scanners.

The **NORTEC 500D** adds dual frequency capabilities to all the functions of the N500S.

🚫 Not available ✅ Standard

Features	500	500C	500S	500D
Single Frequency Capabilities	✅	✅	✅	✅
Digital Conductivity	🚫	✅	✅	✅
Coating Thickness Measurement	🚫	✅	✅	✅
Rotating Scanner Support	🚫	🚫	✅	✅
Spilt Screen Display	🚫	🚫	✅	✅
Dual Frequency Capabilities	🚫	🚫	🚫	✅

Features

- 50 Hz - 12 MHz frequency range
- Preamplifier (0 or 14dB)
- Single Li-Ion battery. Choice of two battery configurations: 2.4 Ahr or 8.8 Ahr
- Lightweight, 1.3 kg to 2.1 kg (2.9 lbs to 4.6 lbs) depending on battery configuration
- 6.5" (165 mm) full VGA color LCD (640 x 480 resolution)
- On-board storage of up to 200 programs
- On-screen reference memory for go no/go applications
- Internal balance loads for single coil probe support
- Display Freeze to hold flaw signals
- PowerLink™ technology - automatic probe recognition and instrument set-up
- Foreign Object Debris (FOD) free case design
- VGA output