



Advanced Eddy Current Flaw Detector

TECHNOLOGY

Introducing the UniWest EddyView® II series Eddy Current Flaw Detector - the ultimate tool for non-destructive testing.

The EddyView II series is designed for precision and accuracy, with advanced features that make it the perfect choice for a wide range of industries. With its high resolution touchscreen display and industry-leading signal processing capabilities, the EddyView II series is able to detect even the smallest flaws and defects in materials.

The EddyView II series is also incredibly versatile, with a wide range of both conventional & array probes that can be used for testing different materials and geometries. Whether you need to test pipes, plates, or complex aerospace shapes, the EddyView II series has the flexibility to handle the job.

PERFORMANCE

This state-of-the-art instrument is designed to detect and locate surface and subsurface defects in a wide range of materials. With its advanced eddy current technology, the EddyView II series can detect even the smallest flaws with exceptional accuracy and sensitivity.



- Touchscreen LCD (1920 x 1200px) with touch-gesture adjustments. 8 in (203 mm) diagonal
- Industry-leading signal quality (signal-to-noise)
- Independent channel monitors probe to part coupling
- Exportable data for post-processing flexibility
- Basic setup with Smart Probes/Scanners
- Connectivity: USB, Ethernet via separate USB adapter
- Compatible with conventional or array probes up to 32 coils; 64 coils (EddyView II Plus)
- Multi-frequency
- Frequency range: 20 Hz to 15 MHz
- Lock screen & Freeze screen modes
- Conductivity and non-conductive coating thickness
- Multiple display modes including impedance plane, C-scan, O-scope, and strip chart

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DESIGN

The EddyView II series incorporates valuable customer feedback as well as years of NDT design experience. The innovative user-interface will have you navigating like a pro from the very beginning. Our durable enclosure, designed for IP65, can withstand those challenging NDT conditions. The corner mounting points allows for easy attachment of the hand strap to either the right or left side, in addition to mounting for a chest harness.

FLEXIBILITY

The EddyView II series is more than just a basic eddy current flaw detector. Advanced features let you cover multiple applications in a single, powerful unit. From flaw detection on a small part with a pencil probe to wide area coverage with an array probe, the EddyView II series will be up for the challenge.



- Weight: 6.1 lb (2.8 kg) with battery
- Dimensions: 9.4 in x 7.5 in x 3.2 in (239 mm x 191 mm x 81 mm) W x H x D
- Battery life: 9 hours without scanner; 6 hours minimum with scanner
- Logic level I/O for interfacing with external devices
- Operating temperature: 15° F to 122° F (-9.4° C to 50° C)
- Designed to meet the requirements of IP65

- Compatible with ECS-1, ECS-4 and JF-15 rotating scanners. ECS-6 (EddyView II Plus)
- Compatible with conventional or array probes up to 32 coils; 64 coils (EddyView II Plus)
- Designed as a hand-held portable unit, but can also easily integrated into small system design
- Basic setup with UniWest Smart Probes
- Exportable data for post-processing flexibility
- Single or multi-frequency operation

EddyView® II specifications



FEATURES

Touchscreen display with touch-gesture adjustments
Industry-leading signal quality (signal-to-noise)
Independent channel monitors probe to part coupling
Multi-frequency
Conventional or array probes up to 32 coils
Compatible with rotating scanners
Conductivity and non-conductive coating thickness
Multiple display modes including impedance plane, C-scan, O-scope, and strip chart.
Exportable data for post-processing flexibility
Lock screen & Freeze screen modes
Basic setup with Smart Probes

GENERAL

Size (W x H x D)	9.4 in x 7.5 in x 3.2 in 239 mm x 191 mm x 81 mm
Weight	6.1 lb (2.8 kg) with battery
Power	24VDC via AC adapter (100-120 VAC, 200-240 VAC, 50 Hz - 60 Hz)
Battery type	Li-Ion
Battery life	9 hours without scanner; 6 hours minimum with scanner
Display size (W x H, diagonal)	6.8 in x 4.2 in, 8 in 173 mm x 107 mm, 203 mm
Display type	Touchscreen color LCD, 1920 x 1200 pixels
Languages	English

ENVIRONMENTAL

Operating temp.	15° to 122°F (-9.4° to 50°C)
Storage temp.	-4° to 150°F (-20° to 65.5°C) [with batteries] -4° to 158°F (-20° to 70°C) [without batteries]
IP rating	Designed to meet the requirements of IP65

EDDY CURRENT SPECIFICATIONS

Frequency	20 Hz - 15 MHz
Multi-frequency	Yes
Gain	0 dB to 114 dB in 0.1 dB steps
Rotation	0° to 359.9° in 0.1° steps
Sweep	0.001 s to 10 s per division
Probe drive	2 V p-p, 4 V p-p, 7 V p-p (Also variable from 0 to 7 V p-p in 1% steps)
Probe types	Absolute and differential in either bridge or reflection configuration
Probe connector	16 pin LEMO®
Array connector	Uses probe connector for arrays
Filters	Low Pass: Off to 10 KHz adjustable to 3 digits of precision High Pass: Off to 10 KHz adjustable to 3 digits of precision
Display erase	0 to 99 s
Display persistence	0 to 10 s in 0.1 s increments
Alarms	Rectangular, elliptical, high and low bar dual, and single alarm
Rotating scanner compatibility	ECS-1, ECS-4 series, JF-15, ECS-6* * No C-scan display of multi-layer / multi-material

DIGITAL CONDUCTIVITY

Frequency	60 kHz / 480 kHz
Conductivity	1 to 100% IACS Accuracy ±2.5% of measured value from 32 to 100°F across entire range.
Non-conductive coating thickness	Up to 0.020 in. Accuracy ±5% of reading.

CONNECTIVITY & MEMORY

Inputs/Outputs	Ethernet port: via USB USB-A: 2ea USB-C: 1ea Video: USB supports external monitors. Printer: Via USB XY Output: HD-26 connector for differential, absolute, or combination. Multi IO: 8 configurable encoder, sync or other inputs. 8 configurable alarm or other outputs. 2 dedicated alarm outputs; TTL and open collector. Keyboard/Mouse: Via USB
External storage	USB up to 512 GB
Internal data storage	up to 28 GB

EDDYVIEW® II PLUS SPECIFICATIONS

Same as EddyView II, plus the following:
Array probes up to 64 coils
Compatibility with ECS-6 scanner and manual indexing of multi-layer / multi-material airframe fastener & bolt hole inspections.

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