



Delivering Quality Worldwide



Salient Features

- Light weight palmtop unit weighing 28 OZ (800 gms) including battery
- User friendly menu navigation
- High resolution (800 x 480 pixels) WVGA display
- Removable Micro SD card up to 8 GB
- USB communication port
- Auto plotting dynamic DAC
- Test Range in steel : 0.10" (2.5mm) to 200" (5 M)
- Square Wave Pulser

Ultrasonic Flaw Detector
ekko

Technical Specifications

Test Range	: 0.10" (2.5mm) to 200" (5 M) in steel
Velocity	: 0.03" (1000 m/s) to 0.39"/μs (9999 m/s) In Hot Key mode it has 7 present values Fine mode adjustable in step of 3.9"/μs (1 m/s)
Delay	: Up to 120" (3 meter) adjustable in 0.01" (0.5 mm) or 0.2" (5 mm) step
Gain	: 100 dB calibrated gain adjustable in 0.5, 1, 2, 6 or 14 dB step
Rejection	: 0 to 100% FSH with LED indicator
Rectification	: Full wave rectified with filtering
Frequency	: 0.5 MHZ to 15 MHZ (wide band)
Linearity deviation	: Vertical $\pm 3\%$ Horizontal $\pm 0.5\%$
Test Modes	: Pulse echo and transmit/receive
Connectors	: Lemo Size 00 (2 Nos)
Monitor	: Dual gate adjustable in 1% of Screen width with Positive/Negative logic, Gate Expand modes
Gate Expand	: Expands Range to width of the gate
A-Scan Memory	: 500 Trace Patterns can be stored, recalled or transferred to PC via USB port A-Scan trace pattern can be directly stored on SD card or on External USB disk
Calibration Set-up	: 50 different calibration set-ups can be Stored and Recalled
Software	: EkkoSoft Interface software for transferring A-Scan from Ekko to PC is supplied
USB & SD Card	: External USB disk & Micro SD card (up to 8GB) ports provided for data storage
Display	: 5" Color Wide VGA LCD/TFT display (800 mm x 64 mm) with higher resolution LCD for better signal representation & better visibility with different color sets
Reference A-Scan	: Reference A-Scan pattern of standard test object can be saved & recalled in the background for easy comparisons during testing
Echo Dynamic	: Echo Dynamic pattern display
DAC	: Dynamic DAC curve can be Digitally plotted (Smooth parabolic curve) on screen with selectable additional offset curves from 0 to 14 dB selectable steps. DAC curve can be set as flaw monitor gate DAC curve can be plotted using minimum 2 to maximum 10 points
Digital Readout & Trig. Function	: Thickness/Depth can be displayed in digital readout when using a normal probe & Beam Path, Surface Distance & Depth are directly displayed when angle probe is in use
Update Rate	: 50 Hz
Power	: Lithium-ion Battery pack 7.4VDC, 4AH gives 4 hours continuous operation from fully charged battery Additional one extra battery with external charger provided to enable back to back 8 hours operation
Charger	: Input Voltage 100 to 240 VAC (with in-built charge status indicator)
Temperature	: 32°F to 131°F (0°C to 55°C)
Size	: 4.6" (117 mm) (H) x 6.9" (176 mm) (W) x 2.2" (56 mm) (D)

Kit Contains

- Ultrasonic Flaw Detector
- Rechargeable Batteries (Lithium Ion) - 2 Nos
- Charger & Docking Station for external charging
- Hand / Neck Strap
- Operating Instructions
- Calibration Certificate
- Transport Case

Optional Items

- Probe
- Cable
- Calibration Blocks
- Couplant

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JMD NDT Inc.

15 Corporate Place S, Suite 341A

Piscataway NJ 08854, USA

T: 908 444 6770 | E: info@jmdndt.com

W: www.jmdndt.com

