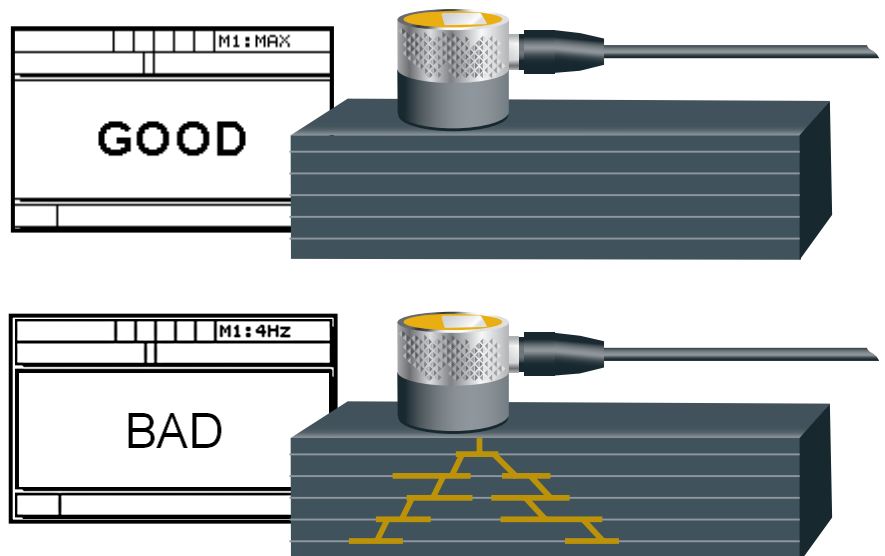# OLYMPUS®

Your Vision, Our Future

Features

- For use on solid laminate structure aerospace composites

- Simple one-button calibration

- Thickness range 0.63 mm to 22.8 mm (0.025 in. to 0.900 in.)

- Simple Good/Bad/Beyond Cal display readout

- Back light matrix display with user help text

- AA battery operation

- Handheld, weighing only 0.24 Kg (8.5 oz.)

- Energy saving Auto Power off feature

- Long battery life, 150 hours typical

- Battery life indicator

Composite Damage Checker

The handheld 35RDC is a simple Go/No-Go ultrasonic instrument designed to detect subsurface defects caused by impact damage on solid laminate aircraft composite structures. The 35RDC features a backlit LCD that displays the word GOOD if no subsurface damage is found or the word BAD when it detects subsurface damage. It uses an ultrasonic transducer that can be placed or scanned on the area of composite material suspected of having impact damage. Weighing only 0.24 Kg (8.5 oz.) and featuring a simplified keypad, this rugged ultrasonic instrument is easy to operate and requires minimal training.

35RDC Specifications*

Display Modes

- Digital Readout Good, Bad or Beyond CAL thickness
- Advanced user setting shows A-scan or waveform. For use by qualified NDT personnel only.

Thickness Measurement Range:**
 0.63 mm to 22.8 mm
(0.025 in. to 0.900 in.)
** Thickness range depends on material, transducer, and surface conditions.

Material Velocity: Fixed velocity for carbon fiber aerospace composite

Transducer Frequency: 5.0 MHz

Measurement Update Rate: 20 Hz

Deviation alarm set points: Programmable +/– from calibration point. Set in advance setup

Power Supply

Battery: 3 AA alkaline or NiMH batteries

Operating Time: 150 hours typical battery life; 30 hours continuous with backlight on

Low Battery Indicator: Continuously indicates battery status

Battery Saver: Auto Power Off/Continuous On

AC Power Supply: Optional

General

Environmental IP65 compliant:
Splash-proof, impact-resistant case. Sealed, color-coded keypad

Operating Temperature Range:
–10 °C to +50 °C (+14 °F to 122 °F)

Size: (W x L x H)
84 mm x 152 mm x 84 mm
(3.31 in. x 6.0 in. x 1.50 in.)

Weight: 0.24 kg (8.5 oz)

Standard Inclusions

Wrist strap, 3 AA batteries, 5 MHz transducer, transducer cable, couplant, carrying case, rubber protective boot with neck strap, instruction manual, two-year limited warranty

Optional Accessories

USB/ADP-115 (U8767094):
AC-115 power supply

USB/ADP-230 (U8767095):
AC-230 power supply