

# OLYMPUS®

Your Vision, Our Future



ULTRASONIC COMPOSITE  
DAMAGE CHECKER

35 RDC

DIGINDT.IR

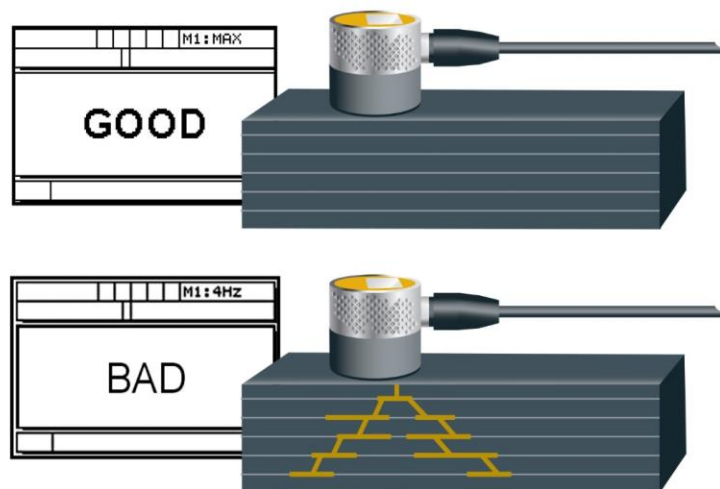


### Features

- 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



+982165565901

+982144584619

+989034119385

Tehran, Tehransar

DIGINDT.IR  
FGJ-NDT.IR

[www.trisco.com.ph](http://www.trisco.com.ph)



For enquiries - contact  
<https://trisco.com.ph/contact>

**DISTRIBUTED BY:**  
**TRADERS INDUSTRIAL SUPPLY CO., INC.**  
24th Floor Trident Tower, 312 Sen. Gil Puyat Ave., Makati City, Philippines  
**Contact:** (+632) 8817-9004 / 8817-8914 / 8844-0749 @local LOCAL: 111, 121, 122, 124  
**Email:** [trisco@pltdsl.net](mailto:trisco@pltdsl.net) / [sales@trisco.com.ph](mailto:sales@trisco.com.ph)

OLYMPUS SCIENTIFIC SOLUTIONS AMERICAS CORP.  
is certified to ISO 9001, ISO 14001, and OHSAS 18001.

\*All specifications are subject to change without notice.  
All brands are trademarks or registered trademarks of their respective owners and third party entities.  
Copyright © 2014 by Olympus.



Mixed Sources  
Product group from well managed  
forests, controlled sources and  
recycled material in fibre

© 1996 Forest Stewardship Council

35RDC-EN-201405 • Printed in the USA • P/N: 920-151-EN Rev. D