NDT Systems
Worldwide Excellence in Ultrasonics

Advanced NDT Limited
Unit 4 Elgar Business Centre
Moseley Road
Hallow, Worcester
WR2 6NJ, England
Tel: 01905 371460

AdvancedNDT
Web: www.advanced-ndt.co.uk
Email: sales@advanced-ndt.co.uk

AVENGER II
Flaw Detector

Avenger II Flaw Detector

Features

- Ultralight, weighs only 800g
- Code compliant to AWS Standards
- 2 Point Auto calibration
- Single Axis Encoded Scans
- A-Scan Capture as standard / 100 hours of UT data recording
- A-Scan and B-Scan Data analysis on the instrument and PC
- CE Marked
- Ruggedized - IP 66 (Dust Tight, High Pressure Water Jet Safe)

Avenger II is an ultralight ruggedized flaw detector for A-Scan and B-Scan data analysis.

Ease of use is in the design of the Avenger collection and the Avenger II is no exception, incorporating a palmtop design and ultralight weight. A high-resolution display provides excellent brightness with the additional option of a white background for maximum visibility in direct sunlight.

On-board analysis tools and reporting capabilities enhance the user experience and deliver high quality inspection data. The Avenger II is a code compliant instrument and meets the American Welding Society (AWS) criteria. The optional AWS kit includes AWS-compliant wedges, shear-wave and straight-beam transducers, cables and calibration block. Included software automatically calculates a D-value to help improve inspection cycle times.

NOVA INSTRUMENTS

AVENGER II

Flaw Detector

Technical Parameters

Palmtop, Ultralight, Weighs 800gms including Battery

Test / Range 2.5mm to 5 metre (in steel)

Gain 100 dB adjustable in step of 0.1, 0.5, 1, 2, 6, or 14 dB Step

Micro SD Card Slot (Upto 32GB)

USB 'on the go' communication Port

Dynamic DAC, which can be easily plotted on the screen

Selection of Imperial and Metric Units

Lithium Ion Battery Pack 7.2VDC, 4AH providing 8+ hours of battery life

High Resolution 5 inch Color WVGA LCD/TFT Display
(800 x 480 pixel, Size 108 x 64mm)

Internal memory of 500 A-Scan patterns and 50 Calibration Setups

Reporting and Printing in A4 format

TTL Output

TCG (Time Corrected Gain) for Echo Amplitude Compensation

Built-in DGS/AVG Curves for time proven flaw size evaluation

Built-in Software for Flaw Rating as per AWS Standards

Test Range 2.5mm to 10 metre (in steel)

Continuous UT Data Recording

Color Coded B-Scan along with recording facility

Single Axis Encoder Input

100 hours of UT Data Recording which can be transferred to PC

A-Scan and B-Scan Data Analysis inside the machine as well as PC

Kit

- Main Unit Ultrasonic Flaw Detector Model: Avenger II
- Rechargeable Li-Ion Battery Pack BPA (7.2V 4AH)
- Charger / Mains Adaptor AC-1 (100-250V 50Hz-60Hz)
- Charging Dock Station for external charging ABC-1
- 8GB USB Flash Drive containing User Manual and Data Transfer Software
- USB ON the Go (OTG) Cable for data transfer
- Neck Strap for extra protection
- Pelican-type Carrying Case

NDT Systems Inc, a Nova Instruments company

NOVA INSTRUMENTS