

ULTRASONIC FLAW DETECTOR DIO-562 LF



PORTABLE AIRSCAN

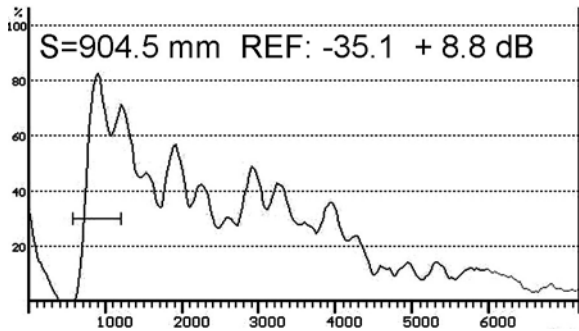


HANDHELD TRANSDUCER

FEATURES

- ◆ Wide Frequency Range
- ◆ B-Scan Alarm Display
- ◆ Digital Signal Processing
- ◆ Plug-in Memory Card
- ◆ A-Scan Recording
- ◆ B- and C-Scan Acquisition and Alarm Mapping
- ◆ Voice Recording
- ◆ PC Connections
- ◆ Saves 2,000 A-Scans
- ◆ Saves 100 AVG Diagrams
- ◆ Saves 100 Device Settings
- ◆ Saves 40 min. Voice Recording
- ◆ Table with Standard Material Data
- ◆ A-Scan Printing on Portable Printer
- ◆ 8 Hrs of Battery Operation
- ◆ Size: 8" x 6" x 2"
(185 x 130 x 50 mm)
- ◆ Weight: 4.4 lbs / 2.0 kg

Ultrasonic Flaw Detector DIO-562 LF



FEATURES

- Frequency range from 20 - 1000 kHz
- Adjustable time base with zoom
- Freeze display
- Freeze peak values
- Digital signal processing for averaging, frequency spectrum (FFT), and FIR filters
- Numerical display of amplitude and TOF
- 2-D display of activated alarms ("B-scan")
- Analog and digital output of amplitude and TOF
- Analog output of A-scan
- A-scan printing on portable printer
- Alarm activated 12V switch
- PC connection for remote control and data transfer
- Recording of all setup parameters
- A-scan recording
- Voice recording and playing
- Real-time clock for data recording
- C-scan data acquisition for display on PC
- Battery or direct line voltage operation
- Low power mode
- Automatic power-off

ACCESSORIES

- Replaceable rechargeable battery
- External rechargeable battery (optional)
- Battery charger
- RS 232 cable
- 2 each BNC-BNC cables
- Instrument cover
- Rugged carrying case
- Operator's Manual

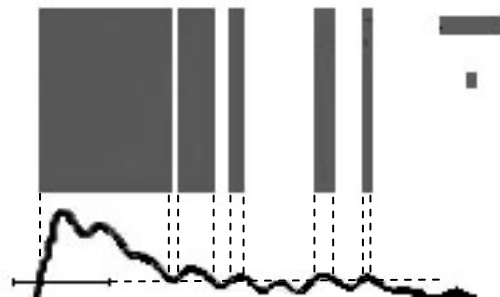
SPECIFICATIONS

- Plug-in memory cards (PCMCIA) for up to 2048 A-scans, 100 AVG diagrams, 100 device settings, and voice recording (40 minutes)
- Gain: 20 - 100 dB in 0.1 dB steps
- Frequency range: 20 - 450 kHz
- Burst: 1-16 pulses
- PRF: 50 - 5000 Hz
- Analog filters: Wideband, 50, 120, 400 kHz
- Digital filters (FIR): 50, 120, 400 kHz
- Amplitude and TOF analog output 0 - 5 V
- Communication interface: RS 232, RS 485
- Digitization rate: 36 - 256 MHz
- Display: 128 x 256 pixels (fast display with backlight)
- Operating Range: 0 °C to + 50 °C
- Battery operating time: 8 hours
- Dimensions: 8" x 6" x 2" (185 x 130 x 50 mm)
- Weight: 4.4 lbs (2 kg) with batteries

PC Software

- Data transmission through RS 232 or RS 485
- File transmission from the PCMCIA card
- A-scan display
- Audio record playing - WAV format
- C-scan display
- Display in colours, 3-D display of defects
- PCX - format for import to Word, Excel, Access
- TXT - format for thickness measurements
- Real-time monitoring

WARRANTY: Two years for parts and labor



B-Scan Alarm Mapping