



Simplifying NDT

Palmtop, Ultralight ULTRASONIC FLAW DETECTOR Arjun10

★ Weighs only 800g with battery

- ★ One-hand-operation
- ★ Only few keys for 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 : 2.5mm to 5 meters (In steel)
- ★ Square Wave Pulser



Mounted on the tripod



In the palm



Standard kit in transportation case



With security neck strap



On hinged stand



Leather wrist strap

TECHNICAL SPECIFICATION

| | | |
|---|---|--|
| Test Range | : | 2.5 mm to 5 meter (in steel). In Hot Key mode it has 13 preset values. Fine mode adjustable in step of 1mm. |
| Velocity | : | 1000 m/s to 9999 m/s. In Hot Key mode it has 7 preset values. Fine mode adjustable in step of 1 m/s. |
| Delay | : | Up to 3 meter adjustable in 0.5mm or 5mm 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 | : | Fullwave rectified with filtering. |
| Frequency | : | 0.5 MHz to 15 MHz (Wideband). |
| 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 | : | ArjnSoft Interface software for transferring A-Scan from Arjun10 to PC is supplied. |
| USB and SD card | : | External USB disk and Micro SD card (upto 8GB) ports provided for data storage. |
| Display | : | 5 inch Colour Wide VGALCD/TFT display (800x480 pixel, size 108x64 mm) with higher resolution LCD for better signal representation and better visibility with different colour sets. |
| Reference A-Scan | : | Reference A-Scan pattern of standard test object can saved and 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 in 0.5 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 And Trig. Function | : | Thickness/Depth can be displayed in digital readout when using a normal probe and Beam path, Surface Distance and Depth are directly displayed when angle probe is in use. |
| Update Rate | : | 50Hz. |
| 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. Charge status indicator is provided. |
| Temperature | : | 0 to 55° C. |
| Size | : | 117 x 176 x 56 mm (HxWxD). |
| Weight | : | 800 gms with Battery. |

Manufactured and Marketed by:



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