



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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