



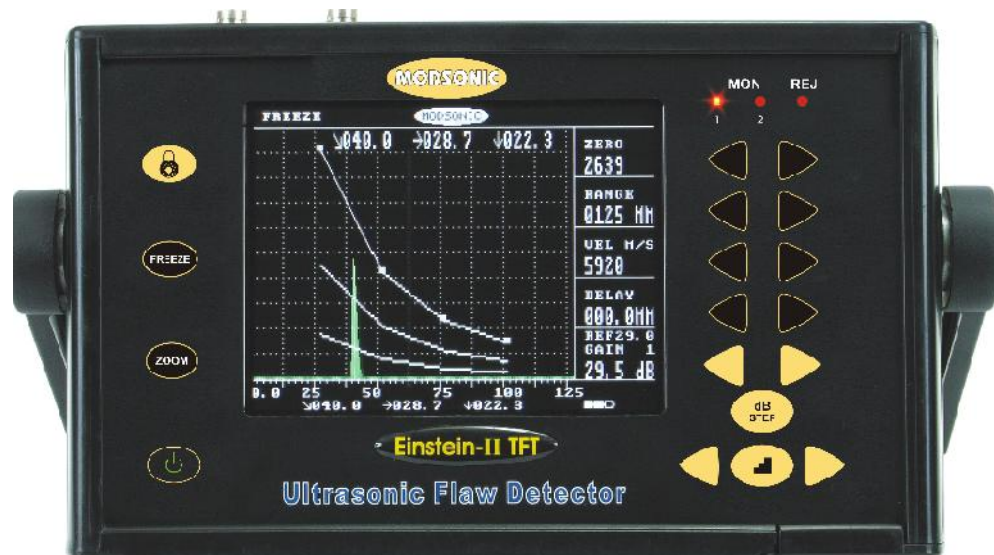
Simplifying NDT

(AN ISO 9001 : 2008 COMPANY)

DIGITAL ULTRASONIC FLAW DETECTOR (DIGITAL WITH COLOUR DISPLAY) **Einstein-II(TFT)**

- Colour LCD/TFT display for better visibility
- Memory of 200 A-scan patterns and 50 calibration set-ups
- Trig. function for weld inspection and Dual Gate System
- Digital plotting of DAC curve
- Compact and light weight (2.3Kg)

★ **TRULY USER FRIENDLY**



TECHNICAL SPECIFICATION

Test Range	:	10 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, 12 or 20 dB step.
Rejection	:	0 to 100% FSH with LED indicator.
Rectification	:	Fullwave rectified with filtering.
Frequency	:	0.5 MHz to 10 MHz (Wideband).
Test Modes	:	Pulse echo and transmit/receive.
Connectors	:	BNC and LEMO (Size 1) both are provided.
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	:	200 Trace Patterns can be stored, recalled, printed or transferred to PC via RS-232 serial port.
Calibration Set-up	:	50 different calibration set-ups can be Stored and Recalled.
Software	:	EinSoft Interface software for transferring A-Scan from Einstein-II TFT to PC is supplied.
Printer Attachment	:	Any PC Printer with serial port can be attached for instant print-out of Trace Pattern(A-Scan with Set-up data).
Display	:	119x89 mm (320x240 pixel) Colour LCD/TFT display for better visibility with option of eleven different colour sets.
Full Screen	:	By pressing Zoom key A-Scan can be displayed in Full Screen area.
Reference A-Scan	:	Reference A-Scan pattern of standard test object can saved and recalled in the background for easy comparison during testing.
DAC	:	DAC curve can be Digitally plotted on screen with -6dB and -14dB DAC curves. DAC curve can be set as flaw monitor gate.
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 14.4VDC, 4AH, gives 8 hours continuous operation from fully charged battery. .
Charger	:	Input Voltage 100 to 240 VAC. Charge status indicator is provided.
Temperature	:	0 to 55° C.
Size	:	154 x 255 x 68 mm (HxWxD).
Weight	:	2.3 Kgs. with Battery.

Manufactured and Marketed by:



Simplifying NDT

MODSONIC INSTRUMENTS MFG. CO.(P) LTD.

Plot No.33,Phase III,GIDC Industrial Estate,Naroda,Ahmedabad 382330 INDIA

Tel: +91 (079) 2281 1217,2281 3131 Fax : +91(079) 2282 0012

Email : modsonic@modsonic.com , Web site : www.modsonic.com

MKT/032/00