



(AN ISO - 9001 : 2000 COMPANY)

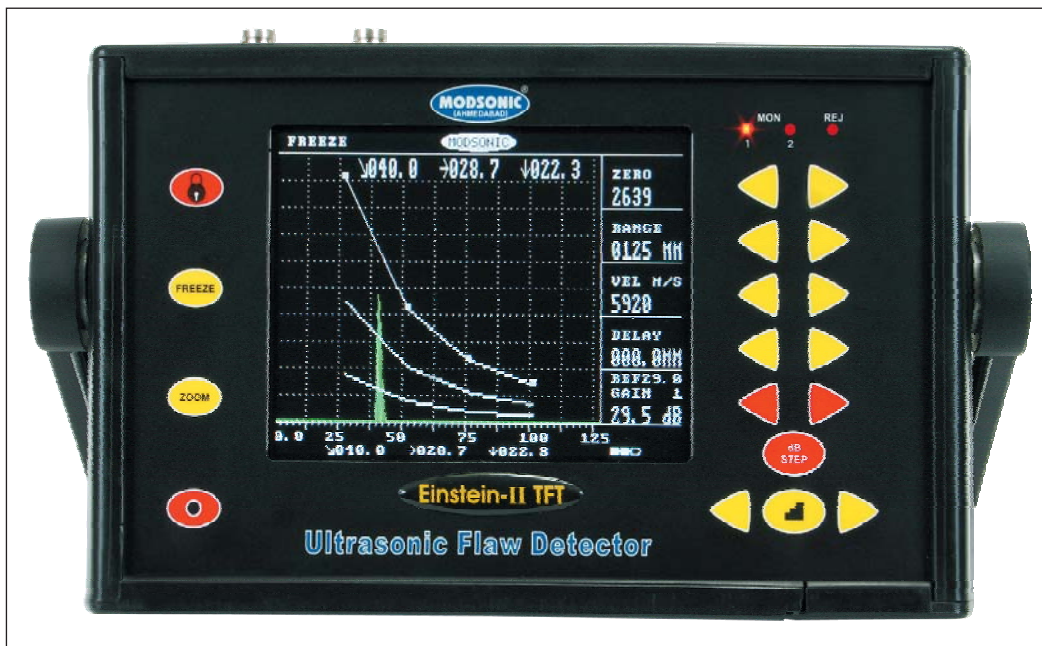
# ULTRASONIC FLAW DETECTOR

(DIGITAL WITH **COLOUR** DISPLAY)

## Einstein-II TFT

- Colour LCD/TFT display for faster scanning
- TFT(colour LCD) provides Wide Viewing Angle and allows Fast Scanning Speed
- Very long battery operation
- Digital Plotting of DAC curves with automatic -6dB and -14dB curves
- Very low noise level even at very high gain

★ **TRULY USER FRIENDLY**



## TECHNICAL SPECIFICATION

<b>Test Range</b>	:	10 mm to 5 meter (in steel) adjustable in 1mm or 10mm step.
<b>Velocity</b>	:	1000 m/s to 9999 m/s adjustable in 1 m/s or 10 m/s step. Direct velocity setting for longitudinal and shear waves for steel.
<b>Delay</b>	:	Up to 3 meter adjustable in 0.5mm or 5mm step.
<b>Gain</b>	:	100 dB calibrated gain adjustable in 0.5, 1, 2, 6, 12 or 20 dB step.
<b>Rejection</b>	:	0 to 100% FSH with LED indicator.
<b>Rectification</b>	:	Fullwave rectified with filtering.
<b>Frequency</b>	:	0.5 MHz to 10 MHz (Wideband).
<b>Test Modes</b>	:	Pulse echo and transmit/receive.
<b>Connectors</b>	:	BNC and LEMO (Size 1) both are provided.
<b>Monitor</b>	:	Dual gate adjustable in 1% of Screen width with Positive/Negative logic, Gate Expand modes.
<b>Gate Expand</b>	:	Expands Range to width of the gate.
<b>A-Scan memory</b>	:	200 Trace Patterns can be stored, recalled, printed or transferred to PC via RS-232 serial port.
<b>Calibration Set-up</b>	:	50 different calibration set-ups can be Stored and Recalled.
<b>Software</b>	:	EinSoft Interface software for transferring A-Scan from Einstein-II TFT to PC is supplied.
<b>Printer Attachment</b>	:	Any PC Printer with serial port can be attached for instant print-out of Trace Pattern(A-Scan with Set-up data).
<b>Display</b>	:	122x92 mm (320x240 pixel) Colour LCD/TFT display for better visibility with option of eleven different colour sets.
<b>Full Screen</b>	:	By pressing Zoom key A-Scan can be displayed in Full Screen area.
<b>Reference A-Scan</b>	:	Reference A-Scan pattern of standard test object can saved and recalled in the background for easy comparison during testing.
<b>DAC</b>	:	DAC curve can be Digitally plotted on screen with -6dB and -14dB DAC curves. DAC curve can be set as flaw monitor gate.
<b>Digital Readout And Trig. Function</b>	:	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.
<b>Update Rate</b>	:	50Hz.
<b>Power</b>	:	Lithium-Ion Battery pack 14.4VDC,4AH, gives 8 hours continuous operation from fully charged battery. .
<b>Charger</b>	:	Input Voltage 100 to 240 VAC. Charge status indicator is provided.
<b>Temperature</b>	:	0 to 55° C.
<b>Size</b>	:	152 x 255 x 70 mm (HxWxD).
<b>Weight</b>	:	2.3 Kgs. with Battery.

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**Manufactured and Marketed by:**



**MODSONIC INSTRUMENTS MFG. CO.(P) LTD.**

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

Tel : +91 (079) 2281 1217,2281 3131,2284 1294 Fax : + 91 (079)2282 0012

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

**REPRESENTATIVES AT**

**Bangalore, Bhopal, Chennai, Jamshedpur, Kolkata, Mumbai, Nagpur, New Delhi, Pune.**

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