



AN ISO 9001 : 2000 COMPANY

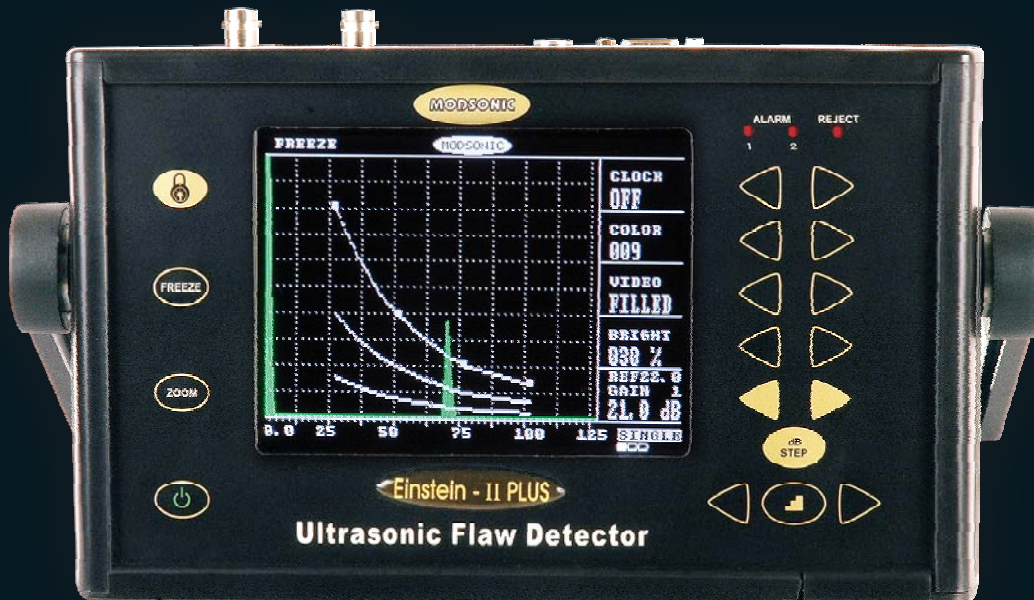
DIGITAL ULTRASONIC FLAW DETECTOR Einstein-II PLUS

(Now with more advanced features)

Salient Features in addition to Einstein-II TFT

- 'Video Signal' Output for connection to a TV
- PEAK FREEZE to detect maximum Echo height
- Smooth parabolic DAC curves
- Note/Label can be attached with each of A-Scan data
- Option of FLANK and PEAK Trigger
- Selection of Metric or British Unit

★ A GREAT VALUE FOR MONEY



TECHNICAL SPECIFICATION

Test Range	:	10 mm to 5 meter (0.500 in to 200 in) (in steel). In Hot Key mode it has 13 preset values. Fine mode adjustable in step of 1 mm (0.2 in).
Velocity	:	1000 m/sec to 9999 m/sec (0.0400 in/ μ s to 0.4000 in/ μ s). In Hot Key mode it has 7 preset values. Fine mode adjustable in step of 1 met/sec (0.0001 in/ μ s).
Delay	:	Variable from 0 to 3000 mm (0 to 100 in). In Hot Key mode 5mm (0.2 in). Fine mode adjustable in step of 0.5mm (0.02 in).
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	:	Full-wave rectified with filtering.
Frequency	:	Broad Band amplifier 0.5 MHz to 10 MHz.
Test Modes	:	Pulse echo and transmit/receive.
Pulser	:	Transmission pulse Negative spike with selectable high or low power.
Damping	:	Damping high or low is selectable.
Freeze/Peak Freeze	:	A- Scan Freeze and Peak Freeze available. In Peak freeze it holds echo dynamic pattern which is useful during angle beam probing to locate peak signal.
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 (with Note/Detail), 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 Plus Interface software for transferring A-Scan from Einstein-II PLUS 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	:	122x92 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 (Smooth parabolic curve) 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. Measurement point can be selected to be Peak or Flank.
Measurement Unit	:	Metric or British unit of measurement is selectable.
Video Output	:	Composite video signal (PAL) output for connection to a TV.
PRF	:	High or low PRF is selectable.
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. (For operation)
Size	:	152 x 255 x 70 mm (HxWxD).
Weight	:	2.3 Kgs. with Battery.

Manufactured and Marketed by:



(Modification rights reserved)

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.