

ScanMaster

AUTOMOTIVE

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Ultrasonic Instrumentation for Spot Weld Inspection



Hundreds of production-line installations worldwide

ScanMaster provides ultrasonic inspection solutions for a variety of welds and sealers in the automotive industry

Automotive

SWI - 100X SERIES

Product Description

Introducing swi-100x series

The swi-100x series SpotWeld Inspector provides the automotive industry with an easy-to-use, reliable means of inspecting and evaluation of spot welds during production. Developed in cooperation with the automobile industry and driven by Windows 2000/XP operating system, the swi-100x makes use of many of the outstanding features of the i-100 ultrasonic instrument and application-oriented hardware and software tools.

swi-100x highlights

- Compact, portable computerized instrument.
- Battery operated, autonomy to two hours. Hot swapping of batteries.
- 1 channel, multiple hardware gates.
- Pulser/Receiver base unit, including ultrasonic electronic board (1-35MHz analog bandwidth and 100Msamp/sec transient sampling rate) and programmable square-wave pulser-preamplifier.
- Built-in computer with parallel ports to external devices (keyboard, printer, LAN, USB, mouse, external display devices).
- Windows 2000/XP® operating system providing multi-tasking operation, inter-instruments networking and connection to host computer and optional remote diagnose by modem.
- User-friendly function menus and dialog boxes for error-free system operation.
- High resolution, high refresh-rate digital screen with A-scan signal capture and storage, on-line spot weld thickness indication and cursor-based amplitude and depth measurement.
- Split-screen display for on-line comparison between measured and reference A-scans.
- Transducers to 25 MHz.
- swi-100x series instruments available also in stationary or cabinet-mounted versions.

Set-up and storage

Virtually unlimited hard-disk storage capacity of ultrasonic set-up files for different material and welding parameters. Instantaneous recall of any set-up file. Intuitive screen dialog boxes for entry of part data, operator information and parameters for spot weld evaluation and classification.

Inspection plan

Tools for interactive preparation of inspection set-up files for different parts and spot welds. Inspection plans includes reference waveforms and part image.

Additional features

GO/NOGO decision making with automatic A-scan signal capture display, optional defect classification, enhanced reporting system including flexible statistic reports, programmable security levels for authorized system access, remote control etc.

C O R P O R A T E O F F I C E S

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