



REPRESENTACIONES INDUSTRIALES C Y M SAC

- Comercialización de Equipos y Accesorios NDT
- Comercialización de Productos para Seguridad Industrial
- Comercialización de Equipos y Productos a nivel Industrial

CTS 9009 Plus – Detector Digital de fallas portátil



Features

- High Performance: With adjustable spike & square wave pulser up to 500V and operation frequency up to 20MHz, the CTS-9009PLUS can achieve precise flaw detection from thin plates to large forged pieces.
- Rich Functions: The system features with outstanding functions such as auto gain control, peak memory, DAC, AVG/DGS, probe frequency measurement, cineloop, curved surface correction, AWS, API and connectors like USB, Ethernet and VGA.
- Environmental Protection: The system is based on IP65 (optional IP67), suitable for complex industrial flaw detection environment.
- Super-low Consumption: The configured Li-polymer battery can support up to 7-hour continuous operation.
- Easy Operation: There are just a few concisely-defined keys, easy to be operated with only one hand.
- Compact & Portable: The whole unit weight (battery included) is approx. 1.25kg, suitable for aloft and field work.



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Function

- Operating frequency range: 0.5~20MHz, highlighting advantages of high sensitivity and broadband.
- Adjustable pulse width square wave transmission is up to 500V.
- 80 ~ 2000Hz PRF with 10 steps adjustable: avoid reverberation signals during flaw detection.
- The convenient and useful probe spectrum analysis function enables the users to see the probe waveform, spectrum and center frequency, resulting in more precise flaw detection evaluation.
- Measure crack height by edge peak echo method.
- Max. sampling rate 240MHz; Measurement resolution 0.1mm.
- RF (Radio Frequency) echo display: good for thin-wall material measurement, academic research or qualitative analysis.
- The DAC curve works with echo compare function, making echo quantification of different distances and amplitudes more convenient.
- The AGC (auto gain control) function, together with peak echo and image freeze function, help quickly identify the flaw highest echo, enabling efficient flaw detection.
- Advanced thickness measurement function available.
- Featured with AWS D1.1/D1.5 and API 5UE evaluation standards.
- The gate magnifier function zoom in the echo area within the gate to whole screen display.
- Up to 500 sets of curve and waveform can be saved for various workpieces and flaw detection standards.

Application

- **VGA Video Output Function**
VGA Video Output function makes it easier for you to have a flaw detection presentation or demonstration.
- **Detection on Large Forged Pieces**
Adjustable pulse width square wave transmission up to 500V. High penetration and large detection range to achieve detection on large forged pieces and coarse crystal material.
- **Probe Spectrum Analysis Function**
Probe waveform, spectrum and center frequency can be measured precisely by capturing echoes.
- **AVG/DGS Curve**
AVG/DGS curve will be auto created by taking a known flat-bottom hole or large flat-bottom echo for reference.
- **DAC Curve**
The DAC curve function brings easier and more convenient flaw evaluation.
- **Dynamic Cineloop**
Internal finite echo recording or external infinite USB dynamic recording function to achieve recording full scanning process.



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- **Echo-to-Echo Thickness Measurement**

With thickness measurement function, the system can achieve a variety of thickness measurement.

- **Ethernet Communication**

With network communication, the system can be connected to a PC directly via 100Mbps Ethernet, so as to achieve real-time display and remote control.

- **Reporting**

Detection echoes, curves or parameters may be losslessly stored to a PC via 100Mbps Ethernet, facilitating report editing and data management. Screenshot and detailed info can be transferred into Microsoft Word for customized reporting.

