

Ultrasonic Flaw Detector TIME®1100



The picture is for reference only

This is a newly designed fully digital ultrasonic flaw detector with many innovations, with fast detection speed, high accuracy and stable waveform. The detection rate of small defects is high. The ultrasonic echo signal analysis adopts DSP processing technology, the target defect signal recognition is fast, the flaw detection waveform display sampling smooth filtering technology, and the key performance indicators are similar to or exceed the international similar products.

1. Peak memory function
2. Quick knob adjustment, convenient operation
3. A, B type display mode
4. Defect equivalent calculation
5. With echo envelope display function
6. with waterproof function
7. EL highlight graphic dot matrix display, no viewing angle limit, not affected by temperature and sunlight
8. Up to 10 independent flaw detection channels
9. Able to store 500 A-scan graphics

10. With independent double gate setting and alarm function
11. Lithium battery, no memory, continuous working time can reach more than 8 hours
12. Two input methods of probe angle and K value
13. can directly drive the U disk
14. It can communicate with PC and has powerful Windows data processing software
15. Repeated transmission frequency can reach 1KHz
16. Ultra-high sampling frequency, the details of the RF waveform are fully displayed
17. With waveform freezing function

Technical parameters:

Detection range	2.5~5000mm
Material speed	1000~9999m/s
working frequency	0.2~15MHz (low frequency 0.2~1, intermediate frequency 0.5~4, high frequency 2~15)
Gain adjustment	110dB (0.2, 0.5, 1, 2, 6, 12 steps)
Dynamic Range	≥ 34dB
Vertical linearity error	≤ 3%
Horizontal linearity error	≤ 0.2%
Sensitivity margin	≥60dB (depth 200mmΦ2 flat bottom hole)





MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **JINAN HENSGRAND INSTRUMENT CO., LTD.**
Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, CHINA
Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**
Related Standards : **EN ISO 12100:2010, EN 60204-1:2018**
Product Name : **TESTING MACHINE**
Report No and Date : TCF-JHIC230128-MD
Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

Certificate Number : **M.2023.206.C81366**
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Reissue Date/No : -
Expiry Date : **31.01.2028**


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Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY
Phone: +90 0312 443 03 90 **Fax:** +90 0312 443 03 76
E-mail: info@udem.com.tr www.udem.com.tr



HST GROUP Co., LTD.

Jinan Hensgrand Instrument Co., Ltd.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Phone/WhatsApp: +86-159 1008 1986

www.hssdgroup.com - e-mail: admin@hssdtest.com

No. 4915, Jingshi Road, Jinan, China

Tel: +86-15910081986