

ZHONGKE HS612e Digital Ultrasonic Flaw Detector

(Special for Stanchion Porcelain Insulator and Porcelain Bushing use)



HS612e Function and Features:

- Notebook type palm structure, elegant and generous.
- Ultra high speed sampling (125MHz), echo more fidelity.
- The requirements for the inspection of the internal and external wall of the porcelain insulator and porcelain bushing
- This machine is: the creeping wave flaw detection: A, B, C, D, E, F, G seven testing parameters of channel platform;

Detection of small angle longitudinal wave: A, B, C, D, E, F, G seven flaw detection parameters channel platform;

Shear wave detection: A, B, C, D, E, F, G seven test parameters of the channel platform;

When the inspection work as long as the pre stored in a good test channel can be.

- The use of ultra bright field of the display, so that the detection in the field of light under the

clear visibility.

- Adopt the high performance lithium ion battery power supply, a random configuration of two batteries, the machine can charge, swap, Fully meet the daily needs of on-site inspection.
- Adopt the operation Chinese hotkey and intelligent jog dial, which is realistic and simple.
- Adopt the DAC curve and the gate as well as sound and light alarm, let the defect of "surrender".
- The automatic peak search, echo and numerical did not find the.
- The memory detection sensitivity, a key recovery more convenient.
- The automatic gain function of intelligent height adjusting the amplitude (80%).
- Light volume, even the battery weighs only 1.4Kg.
- Can be hung on the release, no hand-held, high-altitude operations more secure.
- The single instruction single channel reset, reset, reset the reset, channel, stored data can be saved.
- The massive data storage (900 wound wave).
- The parallel interface is connected with the computer, edit the testing data processing, print output. Implementation of computer management by ultrasonic flaw detection.

Main Technical Parameters:

Operating frequency: (0.5~20) MHz

Gain adjustment: 110dB (set manual 0.1dB, 2dB, 6dB step)

Detection range: (0~ 5500) mm steel longitudinal wave

Sound speed range: (0 ~ 9000) m/s

Dynamic range: 32dB

Vertical linear error: less than 3%

Horizontal linear error: less than 0.3%

Resolution: > 42dB (5P14)

Sensitivity: > 62dB (deep 200mm with 2 flat bottom holes)

Display: EL display bright orange

Data storage: storage of 21 sets of testing parameters, 900 echo

Power supply, voltage: DC (DC) 7.5V lithium battery for 5 hours in a row; communication (AC) 220V

Ambient temperature: (-25 ~ 50) C (reference value)

Relative humidity: (20 ~ 95)%RH

Exterior dimensions: 215 x 165 x 45 (mm)

Weight: the whole machine with a built-in battery 1.4 kg

Standard configuration of HS612e type instrument:

1 Host (containing a lithium battery)	1 SET
2 Creeping wave probe line (double crystal C6-Q9)	2 PIECES
3 Longitudinal wave small angle probe line (C6-Q9)	2 PIECES
4 Power supply charger	1 PIECE
5 Lithium battery	1 PIECE
6 Battery charging connection line	1 PIECE
7 Portable operation band	1SET
8 USB communication line, communication driver software	1 SET
9 Instruments suitcase	1 PIECE
10 Manual, certificate, warranty card	each one

Special creeping wave probe: arc 100, arc 120, arc 160, one of the 180

Special longitudinal wave small angle probe: arc 100, arc 120, arc 160, arc 180 each one

Ceramic column test block



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Zhongke Innovation Technology Co., Ltd.

is a professional manufacturer of NDT equipments with independent intellectual property rights. Zhongke has been working on R&D of Ultrasonic technology for over 30 years. Now Zhongke has different series of NDT products, such as Phased Array Detector, TOFD Detector, Conventional Ultrasonic Flaw Detector, EMAT Detector and Online Automatic Inspection Systems for Pipe, Tube, Plate, Bars, Vessel, Automobile Parts and etc. Zhongke also has committed to provide the customers with various kinds of all-round, efficient, steady, reliable ultrasonic solutions!
