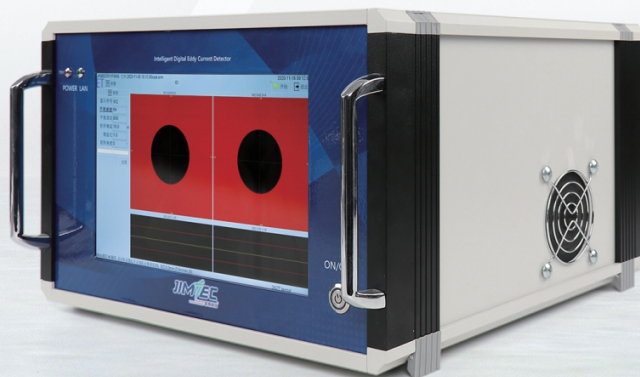


EA2000 Portable series Multi-function intelligent digital eddy current detector

Standard Configuration

Host: Multi-channel multi-channel intelligent digital eddy current detector host
Probes and accessories: According to the user custom

Standard test block (optional or custom)	1
Automatic control module (optional)	1
Instructions for use	1
Warranty card	1
Product list	1



Introduction

It has a powerful detection capabilities, experimental features, good stability, high noise ratio, while expanding a variety of practical applications. System uses the most advanced computer technology, DSP digital processing technology, FPGA technology research and development design. At the same time the system has a powerful data output capabilities, scalability, software upgrades can be free, you can connect most of the world's automation systems, based on the system detection platform, detection signals and data can be achieved in many ways to share, data acquisition, output, Analysis, storage, reading and other functions throughout the intelligent processing.

Technical Specification

- Detection channels: 1-4 (scalable as needed)
- Frequency range: 5 Hz ~ 12 MHz, continuously adjustable, 2-4 independent selectable frequency, multiple mixing unit
- Adjustable detection range, the maximum measurement: 10 ~ 10000, step 1
- Magnification factor: 1dB ~ 32dB continuously adjustable, step: 1dB
- Gain range: 0.0dB ~ 99.0dB continuously adjustable, step: 0.1dB
- Missed rate: $\leq 0\%$, false positive rate (mistakenly judged as qualified nonconforming product) $\leq 1\%$
- Phase rotation: 0 ~ 360 ° continuously adjustable, step: 1SNR ≥ 12 dB
- Real-time software / hardware output alarm, a variety of alarm window mode
- Alarm duration: 10ms ~ 60000ms, step 1ms
- Integration of automated formation of test reports (including the number of tests, the number of qualified and unqualified)
- Incentive mode: DP/DI
- Automatic recording shows the number of defects and their location
- Power: 180-240V (−20% ~ +20%) 50HZ $\pm 10\%$
- Ambient temperature: -20—55 C ; Environmental humidity: $\leq 85\%$
- Each flaw detector installation plane: 550×1000mm², the signal line to the side wall, the bottom can be,
- Gain ratio: (X/Y) 0.1~10.0
- A variety of display: A impedance, time base, B-scan, eight-frequency
- Eddy current signal playback expansion function, measuring the amplitude of the defect, phase, digital value
- With the screen shows the pipeline in service in the seized view of the subject, the inspection of the pipe's ranks, as well as eddy current detection signal
- Optional data analysis system
- Dimensions and weight: 350*250*350mm (L*W*H)、Weight: 2.5kg