CREATE A RENOWNED

WORLD BRAND OF ULTRASOUND

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Anyscan-30/36

Ultrasonic Flaw Detector

Comparison

Instrument model / Comparison function	A20	A26	A30	A31	A36
Spike wave	√		√	√	√
Square wave		√			√
Weld graph illustration	√	√	√	√	√
Series storage	√	√	√		√
RF	√	√	√		√
Chinese/English	√	√	√		√
Peak holding	√	√	√	√	√
Envelope	√	√	√	√	√
Surface amend	√	√	√	√	√
Auto gain	√	√	√	√	√
DAC	√	√	√	√	√
AVG			√		√
AWS					√
Echo compare					√
Noise immersion	√	√			√
Hot key	√	√			√
Shuttle key	√	√			

- Excellent EMI design, good EMC performance

- Simple key & menu settings, easy to access

- Leading technical indexes, abundant & practical additional functions

- Low noise & wide bandwidth amplifying circuit, selectable damping, excellent matching with low and high frequency probes

- 400 MHz real-time hardware sampling, high-fidelity echo pulse

Guangzhou Doppler Electronic Technologies Co.,Ltd.
ADD： Room 104 & 405, Building C, Yushu Industrial Park,
Science City, Guangzhou 510663, China.
TEL： (+86)20-8226 0495
FAX： (+86)20-8208 6200
E-mail： cndoppler@ cndoppler.com
Web： Http://www.cndoppler.com

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Anyscan-30/36 are the choicest models that DOPPLER devotes to NDT industry, not only easy operating, concise & practical appearance, but also adhering to the idea of outstanding products, industry-leading, great performance. And more advanced technical indexes than other similar products, with abundant & practical additional functions, brings more convenient & efficiency to users.

Performance

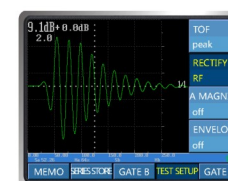| ITEM	PARAMETER
Linearity error of horizion:	≤ 0.1%
Linearity error of vertical:	≤ 3%
Surplus sensitivity:	≥ 62dB
Dynamic range:	≥ 40dB
Far field resolution:	≥ 30dB
Operating method:	Single element, Dual element
Transmitter pulse:	A30: 400V negative spike wave
	A36: square wave/negative spike wave
Working frequency range:	0.5~22MHz, frequency optional
Pulse repetition frequency:	40/250/1000Hz
Sampling frequency:	400MHz hardware real-time sampling
Detection range:	A30: 0.5~9999mm(steel LW),
	A36: 0.5~15000mm(steel LW)
	adjustable continuously,switchable steps
Sound velocity range:	1000~15000m/s, adjustable continuously,
	switchable steps
Scan delay:	A30: -10~2000mm
	A36: -10~5000mm
Probe delay:	0.00~199.9 μ s
Damping:	50/100/200/500 Ω
Menu language:	English/Chinese
Gain adjust:	0~110dB, 0/0.1/0.5/1.0/2.0/6.0dB step
	adjustment
Rectification:	Positive, Negative, Full wave, RF
LCD display:	5.7" high brightness TFT LCD,640 × 480 pixels
Measurement mode:	Flank or peak
Parameter storage:	Store 30 groups common-use detection
	parameters and 470 groups test result data
Alarm:	Hardware alarm, sound and light two
	methods, alarm models including positive
	mode, negative mode and DAC mode
Communication Interface:	A/B USB
Operating temperature range:	-10~+50℃
Battery specification:	Lithium battery, continuance supply power for
	more than 6 hours
Power supply:	AC: 100-240V ; DC: 15V-4A
Complete appliance weight:	1.4KG (including battery)
Protection level:	IP 54

Features

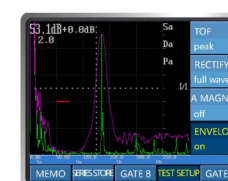Weld Graph Illustration

DAC Function

AVG Function

RF Display Function

Envelop Function

- **DAC function:** Up to 10 points to make DAC curve, Auto-generated evaluation line, sizing line , rejection line.

- **AVG function:** Auto-generated AVG curve by sampling one point from >3N zone, easy to save and recall.

- **Curve surface amend function:** Auto-amend test result of arc surface workpiece.

- **Peak holding:** Peak echo recording.

- **Envelope function:** Track changing of peak echo recording.

- **Auto gain function:** Auto-set amplitude of selected echo to the desired value.

- **Illustrated function for the weld test:** Direct display of weld graphics, easy and clear to see the flaw position.

- **Intelligent instrument calibration:** Include fast calibration of material velocity, probe delay, probe angle.

- **Channel setting and data storage:** Easy to save and record 30 groups of detection parameters and 470 groups of data results.

- **Zoom function:** Zoom in/out of wave display zone, take full use of the screen.

- **Gate magnify function:** Zoom in the gate zone to the whole wave display zone, easy to observe the wave details.

- **Square wave emitting function (A36):** 400V negative square wave emitting, frontier descending time is about 5ns, pulse width range is 30~500ns.

- **AWS function:** Meet the weld defects standard of AWS D1.1.

- **Echo compare function:** Easy to make comparison of echo details for the same defect through tests from different direction in the field.

- **Noise immersion function:** Reduce noise interference when high amplitude spike echo applied.

- **Hot keys menu:** Hot keys including "auto gain", "peak holding", "full screen detection",etc. , shown in each page. Easy to use.