FGJ
FARHAN GOSTAR JOONOB

پترو فرهان گستر جنوب

Tehran, Tehransar

**D** OPPLER
www.cndoppler.com

CREATE A RENOWNED

WORLD BRAND OF ULTRASOUND

## 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 | √ | √ | | | |

## Anyscan-30/36

### Ultrasonic Flaw Detector

- 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

📞 +982165565901

📞 +982144584619

📞 +989034119385

پتروفرهان گستر جنوب
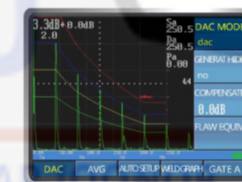
FGJ-NDT.IR

DIGINDT.IR

پترو فرهان گستر جنوب

DOPPLER

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 horizon: | ≤ 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<br>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),<br>A36: 0.5~15000mm(steel LW)<br>adjustable continuously,switchable steps |
| Sound velocity range: | 1000～15000m/s, adjustable continuously, switchable steps |
| Scan delay: | A30: −10～2000mm<br>A36: −10～5000mm |
| Probe delay: | 0.00～199.9 μs |
| 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 |

Weld Graph Illustration

DAC Function

AVG Function

RF Display Function

Envelop Function

## Features

- **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.
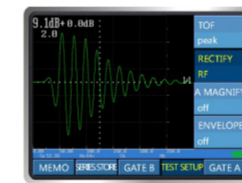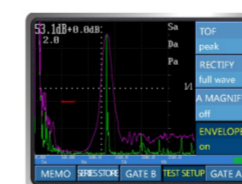
+98216556901
+982144584619
+989034119385

پتروفرهان گستر جنوب

**FGJ-NDT.IR**

**DIGINDT.IR**