



Portable Phased Array Flaw Detector

New Upgrades Support AutoCAD Import Function!

- 32/64PR; 32/128PR Receiver/Pulsar Channels for Phased Array.
- Dual Independent Channels for High-performance TOFD Detection.
- Embedded Focal Law Calculator, which can perform:
 - Four Kinds of Scanning Modes: Linear, Sectorial, Depth and Static.
 - Four Kinds of Focal Types: True Depth, Sound Path, Projection, and Focal Plane.
 - Optional Display Mode of A / B / S / C, etc.
- Calibration is more convenient to implement and can be calibrated for each beam.
- Multiple Groups for Parallel Scanning, comparable to many instruments working simultaneously.
- Negative Square Wave Pulse, with Resolution up to 2.5ns, PRF up to 20KHz.
- 10.4" TFT LCD Color Touch Screen, Resolution 800×600 Pixel.



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FGJ-NDT.IR

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Performance

Parameter		PA Module	Conventional UT
Config.	Receiver / Pulser	32/128	2/4
	Range	9900 μ s	9900 μ s
	Velocity	635-15240m/s	635-15240m/s
	Focal Law	1024	
Pulser	Test Mode	PE / PC	PE / PC / TT / TOFD
	Voltage	50V / 100V	100V / 200V / 400V
	Pulse Shape	Negative Square Wave	Negative Square Wave
	Pulse Width	30-500ns	30-500ns
	Rise Time	<8ns	<8ns
	Delay	20KHz	20KHz
	Damping	10 μ s / 2.5ns	10 μ s / 2.5ns
Receiver	Gain	NA	50 Ω / 500 Ω
	Bandwidth	0-80dB	0-110dB
	Input Impedance	0.5-15MHz	0.5-20MHz
	Input Capacitance	200 Ω	200 Ω
	Delay	60pF	60pF
Scan/Display	Type	10 μ s / 2.5ns	10 μ s / 2.5ns
	Display Mode	Linear/Sectorial/Static/Depth	NA
	Unit	A/B/C/S	A/B TOFD
DAC	Points	mm / inch	mm / inch
	Points	16	
TCG	Points	16	
	Dynamic Range	40dB	
Gate	Max Gain Slope	40dB/ μ s	
	Gates	A / B / I	
	Threshold	0-98%	
Report	Trig Mode	Peak / Edge	
	Report	HTML	
Data Storage	Storage Devices	USB Devices / SD Card	
Display Screen	Size	10.4 inch	
	Resolution	800 \times 600 pixel	
	Type	TFT LCD Touch Screen	
I/O Port	USB	3	
	Internet	10/100M	
	Video Output	DVI / VGA Compatible	
	Encoder	Applicable	
Language		English / Chinese	
Power Supply	Power Supply	15V DC 4A	
	Battery	LithiumIon Battery	
	Battery	Operatable While Charging	
	Battery Life	8h (two batteries)	
Housing	Dimensions	325mm*230mm*130mm	
	Weight	4.5Kg (without battery)	