

FLEXSCAN Portable Phased Array Flaw Detector

Flexscan is the latest PAUT Flaw Detector developed by Doppler. It's a Continuity of Phascan, with excellent performance. With 43% volume and 22% weight reduced, also hardware and software optimized, Flexscan is ideal for on-site inspection.

- 16/64PR; 32/64PR Receiver/Pulser Channels for Phased Array.
- 8.4" TFT LCD Color Touch Screen, easy to operate
- PA, TOFD and Conventional UT can be performed simultaneously
- Multiple Groups for Parallel Scanning, comparable to many instruments working simultaneously.
- Fast Calibration of Velocity, Wedge Delay, Sensitivity, TCG and so on
- Fast Setting of many kinds of Common Weld Graphs
- Support AutoCAD Import Function
- Optional Display Mode of A / B / S / C / TOFD / Offline 3D
- New Upgraded Offline Data Analysis Software, more powerful



Performance

Parameter	PA module	Conventional UT	
Config.	Model	16/64PR;32/64PR	
	Receiver / Pulser	32/64	1 / 2
	Range	9900µs	9900µs
	Velocity	635-15240m/s	635-15240m/s
	Focal Law	1024	
Pulser	Test Mode	PE / PC	PE / PC / TT / TOFD
	Voltage	50V / 100V / 130V	100V / 200V / 400V
	Pulse Shape	Negative Square Wave	Negative Square Wave
	Pulse Width	30-500ns	30-500ns
	Rise Time	<8ns	<8ns
	PRF	20KHz	20KHz
	Delay	10µs / 2.5ns	10µs / 2.5ns
Receiver	Damping	NA	50Ω / 500Ω
	Gain	0-80dB	0-110dB
	Bandwidth	0.5-15MHz	0.5-20MHz
	Input Impedance	500Ω	500Ω
	Input Capacitance	60pF	60pF
Scan/Display	Delay	10µs / 2.5ns	10µs / 2.5ns
	Type	Linear/Sectorial	NA
	Display Mode	A/B/C/S	A/B TOFD
	Unit	mm / inch	mm / inch
DAC	Points	16	
	Points	16	
TCG	Dynamic Range	40dB	
	Max Gain Slope	40dB/µs	
	Gates	A / B / I	
Gate	Threshold	0-98%	
	Trig Mode	Peak / Edge	
Report		HTML	
Data Storage	Storage Devices	USB Devices / SD Card	
	Size	8.4 inch	
Display Screen	Resolution	800*600 pixel	
	Type	TFT LCD Touch Screen	
	USB	2	
I/O Port	Internet	10/100M	
	Video Output	DVI-D	
	Encoder	Applicable	
	Language		English / Chinese
Power Supply	Power Supply	15V DC 4A	
	Battery	LithiumIon Battery	
	Battery	Operatable While Charging	
	Battery Life	4h	
Housing	Dimensions	296mm*209mm*89mm	
	Weight	3.5Kg (without battery)	

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