



Features:

Color TFT display screen with backlight

Reference waves with different colors can be displayed at the same time

Curved surface correction: inspection of inner and outer curved surface, auto-correcting the detecting result according to diameter of curved surface

DGS (AVG) curve: special key is designed for 2 types of DGS curves: flat-bottom hole and infinite plane

Real-time battery power indication, displayed by percentage

Displaying echo times during multi-times echo detecting in which users are required to input the thickness value of work piece into instrument

Automatic generation of DAC curve, and 30 points can be recorded at most, adjustable offset curves and gain correction functions are available

Three detecting modes: single-probe, dual-probe and transmission

Two scanning modes: A and B

Two measuring unit: mm/inch

Four Rectify Ways: positive half-wave, negative half-wave, full wave and radio frequency

Gate alarming function

10 detecting channels are available with a separate detecting parameter and DAC curve in every channel

Technical Specification

Scanning range	2.5 mm~5000mm
Scanning resolution	0.1mm (2.5mm~100mm) 1mm (100 mm~5000mm)
Gain range	0dB~110 dB
D-Delay	-20 μ s~+340 μ s
P-Delay	0 μ s~99.99 μ s, resolution 0.01 μ s
Sound speed	1000 m/s~9999m/s
Bandwidth	0.2MHz~15MHz (Low0.2~1 Mid.0.5~4 High 3~15)
Vertical linearity error	\leq 3%
Horizontal linearity error	\leq 0.2%
Dynamic range	\geq 32dB
Rectification	Positive half wave, negative wave, full wave, and RF
Sensitivity leavings	\geq 60dB
Test mode	Pulse-echo, dual and through transmission
Pulser	Spike excitation pulser
Damping	50ohms, 150ohms and 400ohms
Reject	Linear, 0-80% of full screen, variable in steps of 1%
Unit	mm/inch
Interface	RS232
AC requirements	85-264V AC/1.0A ,47-63Hz
Temperature	-10 ~40
Humidity	20%~90%RH
Power supply	Li battery 4 x 3.6V 4000mAh
Charging time	4~5hours
Overall dimension (mm)	243 x 173 x 70
Weight (kg)	1.47

Standard Delivery

Main unit	1
Power adaptor	1
Neck strap	1
Cable for probe	2
Carrying case	1
Straight probe	1
Angle probe	1
Couplant	1
TIME certificate	1
Warranty card	1
Instruction manual	1

Optional Accessory

Various probes (see page 17)