



• [Introduction](#)

PXUT-350C is an advanced portable digital ultrasonic flaw detector, using an industrial-leveled TFT display to provide superior visibility in all lighting conditions. It has abundant and practical functions, stable performance.

**Functions and features:**

- Automatically record the date and time of operation.
- Automatically calibrate probe performance and material velocity.
- High sensitivity, gain ranges from 0 to 120dB.
- DAC curves can be automatically created without limitation of the sampling point, and can be compensated and corrected. The rejection line, the scale line and the evaluation line can be automatically created and stored.
- Automatically display flaw echo position, amplitude, equivalent and other real-time data.
- Automatically measure the height of crack by diffraction wave.
- Powerful functions such as peak memory, peak hold, wave frozen, echo envelope, depth compensation, surface correction and so on.
- Gate start, gate width and gate height can be adjusted.
- High reliability and data protection. The stored data can be indexed by date, work piece ID or serial number.
- Equipped with high-capacity lithium (Li) batteries, only 1.6Kg in weight.
- Real-time dynamic recording can be used in the test, and data can be stored to memory of the instrument or U disk. And stored data can be reviewed in PC.

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## Specifications:

Item	Index	Item	Index
Gain	120dB 0.1,1.0,2.0,6.0 step	Gate	Wave into the waves and out of doors continuously adjustable door
Bandwidth	0.4 ~ 15MHz	Print	Hardcopy and data storage
Test Range	0 ~ 6000mm (longitudinal wave in steel)	Scan Delay	0 ~ 5800mm (longitudinal wave in steel)
Probe	single, dual, through transmission	Display Type	5.7 " high bright ELD
Horizontal Linearity	$\leq 0.1\%$	Battery Operating Time	$\geq 6$ hours
Vertical Linearity	$\leq 3\%$	Operating Temperature	-20 °C ~ 50 °C
Resolution	$\geq 30$ dB	Power Supply	16VDC, 220VAC
Surplus Sensivity(2.5MHz $\Phi 20$ )	$\geq 65$ dB	Dimensions(H×W×D) (mm)	250 × 140 × 50
Dynamic Range	$\geq 32$ dB	Weight	1.6Kg (with battery)

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