

KUT-650 Ultrasonic flaw detector



Main feature:

- *Automated display precise flaw location(Depth d, level p,distance s,amplitude,sz dB,φ);
- *Unlimited of video time
- *Automated to switch three staff gauge ((Depth d,level p,distance s);
- *Automated calibration of transducer Zero-point, Angles, Front edge and material Velocity ;
- *Convenient to make and use DAC\TCG and AVG to evaluate the echo, the curve can be modified and compensated;
- *6dB DAC functions;
- *Standards of test for DAC is saved.
- *500 independence setup, any criterion can be input freely, we can work in the scene without test block;
- *Big memory of 1000 A graph
- *Automated gain and gain scan;
- *Peak Hold and Peak Memory;
- *B scan;
- *AWS D1.1
- *Automated make video of test process and play; use USB flash disk, the length of video is unlimited.
- *Powerful pc software and reports can be export to excel;
- *Li battery, continue working time up to 10 hours;
- *The embeded software can be online updated;
- *Display freeze;
- *Automated echo degree;
- *Angles and K-value;
- *Lock and unlock function of system parameters;
- *Electronic clock calendar ;

Technical Specification:

Detection range	0-9999mm	Resolution	> 40dB (5p14)
Working frequency	0.2mhz ~ 15MHz	Linear inhibition	≤ 3%
Sound speed range	1000m / S ~ 9999m / S	Vertical linear error	≤ 3%
Gain range	0dB ~ 110dB	Horizontal linear error	≤ 0.1%
Sampling frequency	100MHz	Dynamic range	≥ 32dB
Display delay	- 20 μ s to + 3400 μ s	Battery	6 × 3.7V (lithium battery)
Probe bias	0 μ s ~ 99.99 μ s	Power supply	8.4v
Electric noise level	≤ 10%	Ambient temperature	- 20 °C ~ 50 °C
Sensitivity margin	> 62db	Ambient humidity	20% - 90% RH