

ULTRASONIC FLAW DETECTOR SADT SUD10

Standard package

SUD10 main unit	1
2.5MHz-Ø20 straight probe	1
4MHz 60° 8x9mm angle probe	1
Probe connection cable (Q9 to Q9)	1
Probe connection cable (Q9 to C5)	1
4A/9V power adapter	1
Data managing software	1
Interface cable	1
Operation manual	1
Carrying case	1

Optional accessories

Straight probe

5MHz-Ø20mm probe
2.5MHz-Ø20mm probe
2.25MHz-Ø20mm probe
1MHz-Ø20mm probe

Angle probe

4MHz 45° 8 x 9mm probe
4MHz 60° 8 x 9mm probe
4MHz 70° 8 x 9mm probe
4MHz 80° 8 x 9mm probe
2MHz 45° 8 x 9mm probe
2MHz 60° 8 x 9mm probe
2MHz 70° 8 x 9mm probe
2MHz 80° 8 x 9mm probe
T/R 5MHz-Ø20mm, focus 15mm probe
T/R 2.5MHz-Ø20mm, focus 15mm probe
Connection cable to probe (Q9 to Q9)
Connection cable to probe (Q9 to C5)
Connection cable to probe (C9 to Q9)
Connection cable to probe (C9 to C5)

Lithium ion battery
Power adaptor 4A/9V
Power Cable
Leather case

SUD10 is a portable, microprocessor-based instrument suitable for both shop and field use. SUD10, which is integrated with international advanced digital integration and new EL display technology, is a smart Digital Ultrasonic Flaw Detector propelled by SADT. SUD10 has almost all functions to meet requirements of professional application for nondestructive testing.

SUD20 has same functions as SUD10, but smaller and lighter. ●



Key Features

- ✓ High-speed capture and very low noise
- ✓ DAC, AVG, B Scan
- ✓ Solid metal housing (IP65)
- ✓ Automated make video of test process and play
- ✓ High contrast viewing of the waveform from bright, direct sunlight to complete darkness and easy to read from all angles
- ✓ Powerful PC software and data can be exported to Excel
- ✓ Automated calibration of transducer Zero, Offset and/or Velocity
- ✓ Automated gain, Peak Hold and Peak Memory
- ✓ Automated display precise flaw location (Depth d, level p, distance s, amplitude, sz dB, Ø)
- ✓ Automated switch three staff gauge (Depth d, level p, distance s)
- ✓ Ten independence setup, any criterion can be input freely, can work in the scene without test block
- ✓ Big memory of 300 A graph and 30000 thickness values
- ✓ A&B Scan
- ✓ RS232/USB port, Communication with PC is easy
- ✓ The embedded software can be online updated
- ✓ Li battery, continue working time up to 8 hours
- ✓ Display freeze
- ✓ Automatic echo degree
- ✓ Angles and K-value
- ✓ Lock and unlock function of system parameters
- ✓ Dormancy and screen savers
- ✓ Electronic clock calendar
- ✓ Two gates setting and alarm indication

Specifications

Measuring range (mm)	0.5~10000	Frequency range (MHz)	0.5~15	Pulse shift (µs)	-20~+3400
Vertical linearity error	≤2.5%	Gain (dB)	0~110	Zero (µs)	0.0~999.9
Horizontal linearity error	≤0.1%	Material velocity	1000~15000 m/s	Port type	BNC
Sensitivity margin	≥60dB	Measurement mode	single, dual, THRU	Operating temperature	-20~55°C
Dynamic scope	≥32dB	Reject	0~80%	Dimension & net weight	240×180×50mm, 2.2kg
Standards	JB/T 10061-1999, JIG 746-2004				

