

ULTRASONIC THICKNESS GAUGE CODE:iThick-7000



- Offers A-scan, B-scan, and numerical display modes with regular, differential, and max/min capture for versatile measurements.
- Features automatic ranging, freeze, E-blanking, gain, and other functions for enhanced accuracy and convenience.
- Thickness alarm changes color and sounds buzzer when limits are exceeded; probe coupling prompt displays white font and buzzer when coupled.
- Bandwidth: 1MHz-20MHz, gain: 72dB, adjustable averaging, multiple update rates, filters, probe types, modes; effective range: 0.15-3200mm.
- Stores 520 files with 252 sets each, totaling 130,000 sets, in grid format for easy access.
- Adapts to various environments with functions like auto shutdown, buzzer alarm, computer communication, and backlight adjustment.
- Keyboard with 9 clear keys for easy operation; menu interface for parameter adjustments.
- Includes Data View software for data statistics, analysis, archiving, and report printing.

STANDARD DELIVERY

Main Unit	1 PC
Alkaline battery	2 PCS
Coupling agent	1 Bottle
Screwdriver	1 PC
Instrument case	1 PC
User Manual	1 Copy
Product warranty card	1 Copy
Product certificate	1 Copy

OPTIONAL DELIVERY

Software	
USB Cable	
Double crystal 5M probe	
Single crystal 5M probe	
Single crystal 15M probe	



Coupling agent



Screwdriver



Model	TP0510400	TP1514320	TP1507025
Type	double crystal 5M	single crystal 5M	single crystal 15M
Frequency	5MHz	5MHz	15MHz
Diameter of contact area	10mm	20mm	6.35mm
Measuring range	1~400.0mm	4~3200.0mm	0.15~25.0mm
Allowable contact temperature	-10~70°C	-10~70°C	-10~70°C
Picture			

ULTRASONIC THICKNESS GAUGE

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TECHNICAL SPECIFICATION

Bandwidth	1MHz~20MHz
Receiving gain	72dB, step pace 1dB, 6dB
Average	Average number of times 0 to 64 automatically adjusted
Update rate	4Hz, 8Hz, 16Hz
Filter	Broadband, 5M, 10M, 15M
Probe type	single crystal, double crystal
Pulse mode	Square waves, two-sided waves
Transmit voltage	25V~300V, 25Vstep pace
Pulse width	25ns~300ns, 5ns step pace
Pulse frequency	400Hz-3200Hz auto-adjustment
Specialized function	A-Scan, B-Scan
Calibration mode	Automatic zero point calibration, automatic sound velocity calibration
View mode	Normal, difference, maximum value capture
Measuring range	0.15~3200mm(Longitudinal wave carbon steel)
Detection mode	Full wave, positive half wave, negative half wave, RF, Invert to RF
Measurement mode	P-E(pulse-echo), E-E(echo-echo), I-E(interface-echo), ME-E(multiple echo)
Detection range	0X-25mm(steel), 1X-100mm(steel), 2X-200mm(steel), 3X-400mm(steel), 4X-800mm(steel), 5X-1600mm(steel), 6X-3200mm(steel)
Data storage	520 files can be saved, each file can record 252 sets of thickness values, for a total of 130,000 sets.
Auxiliary functions	Auto Gain, Auto Range, Auto Blanking E, Auto Freeze, Auto average, Auto Shutdown (Hibernation), Buzzer alarm, upper computer communication, Backlight Adjustment
Unit	Metric system, English system
Language	Chinese, English
Probe interface	DUAL LEMO-00 C5
Weight	228g, no battery
Battery	Two 1.5V AA batteries
Output interface	MINI USB, data export to the host computer
Size	153mm×76mm×37mm
Display screen	2.4-inch 320×240 IPS_LCD
Working temperature	-10℃~55℃

Interface Display



Normal Mode



Difference Mode



Maximum Value Capture Mode



A-Scan Interface



B-Scan Interface

Computer Software (Optional)

