

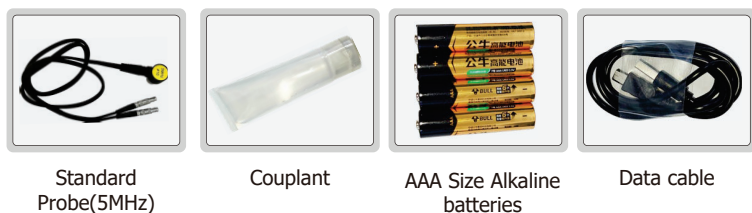
## ULTRASONIC THICKNESS GAUGE CODE:iThick-220



- Measures thickness of metals, plastics, ceramics, glass, etc., which conduct ultrasound well.
- Equipped with various dual-crystal probes of different frequencies and sizes.
- Improves accuracy by measuring sound velocity with known thickness.
- Has coupling status indication and EL backlight display for low-light use.
- Portable, easy to operate, with real-time battery power indication.
- Power-saving features include automatic sleep and shutdown.
- Compact, reliable, resistant to vibration, impact, and electromagnetic interference.
- USB interface for connecting to external data processing software.
- Audible and visual alarm for measurements beyond set limits.
- Powered by 4 AAA batteries, lasts 250 hours without backlight.
- Enhanced model adds communication for data exchange with PC, supporting real-time communication as a small online instrument (requires dedicated probe).

### STANDARD DELIVERY

Main unit	1 pc
Standard Probe(5MHz)	1 pc
Couplant	1 bottle
ABS Instrument case	1 pc
Document	1 copy
AAA Size Alkaline batteries	4 pcs
Data cable	1 pc



### OPTIONAL DELIVERY

Large diameter probe(2.5MHz)	
Large range probe(2MHz)	
Micro-diameter probe(7MHz)	
High temperature probe(5MHz)	
High temperature couplant	

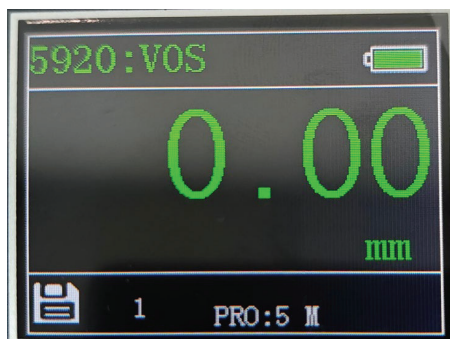
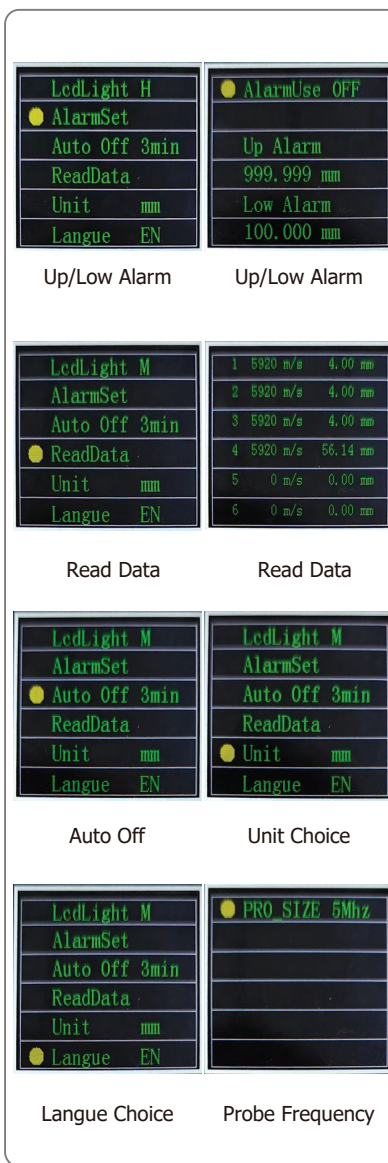


## ULTRASONIC THICKNESS GAUGE

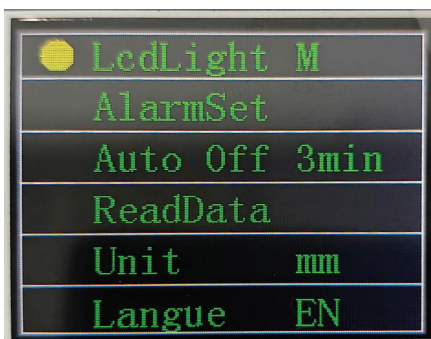
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#### TECHNICAL SPECIFICATION

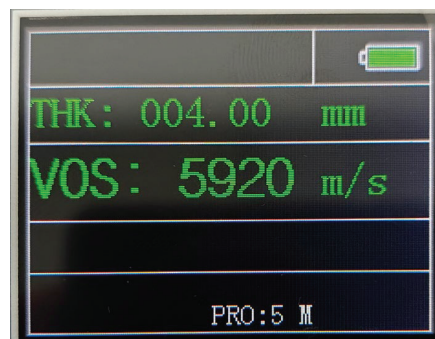
Measuring Range	0.75~600mm(Determined by the probe)
Resolution	0.01mm
Measuring Unit	Optional mm/inch
Languages	English/Chinese
Measuring Precision	When the measuring range is 0.75~99.99, the resolution is 0.01, and the allowable error is $\pm 3\%H + 0.04$ . When the measuring range is 100.0~600.0, the resolution is 0.1, and the allowable error is $\pm 5\%H + 0.04$ . Note: H is the measured thickness
Sound Speed Adjustment	1000~9999 m/s
Calibration Function	Features probe zero point and two-point calibration functions
Data Storage	Capable of storing 3000 sets of thickness measurement data (measurement values and sound velocity values only) and 3000 sets of parameter datasets (including measurement values, instrument settings, and other parameters)
Communication Interface	USB
Audible And Visual Alarm	Upper and lower limit prompts (can be set according to the thickness of the workpiece being measured)
Minimum Thickness Capture Capability	Capable of capturing minimum thickness value
Workpiece Surface Temperature	-10~60°C
Measuring Cycle	6 times/second in single point measurement, 20 times/second in scanning mode
Lower Limit For Pipe Measurement	Φ20mmX3.0 mm (5Mhz probe); 15mmX2.0 mm (7Mhz probe)
Indication Error	less than $\pm 0.1$ mm
Calibration	4.0 mm(Steel)
Power Source	AAA alkaline battery 1.5V (4 pieces)
Working Time	Continuous operation up to 250 hours (without backlight)
Weight	245g
Working Environment	Operating temperature -20°C to +50°C Storage temperature: -30°C to +70°C Relative humidity $\leq 90\%$ ; The surrounding environment should be free from intense vibration, strong magnetic fields, corrosive media, and severe dust.
Dimensions	145mmx74mmx32mm



Main Interface



Backlight



Sound Velocity & Thickness Switch