

ACCUR-3 High-precision Ultrasonic Thickness Gauge



Key Features:

- Handy, precise, efficient
- With ultra-low power consumption
- Embedded Bluetooth module, supporting wireless report printing
- USB2.0 interface
- Achieve precise thickness measurement by using high-precision timing chip
- displaying accuracy of the test result is 0.001mm
- The brightness and the contrast of the LCD is adjustable

Main Technical Parameters

Measuring range:	0.75-400mm(steel)
Displaying accuracy:	0.001mm
Measuring error:	1 mm ~ 10 mm :±0.03mm 10mm ~ 300mm :±0.3%Hmm
Measurement period:	fourth per second

Measurement frequency:	5MHz, 7.5MHz, 2MHz, 3MHz
Ultrasonic velocity:	1000-9999m/s
Display/Unit:	FSTN digital LCD with cold back light inch/mm
Zero adjustment:	auto returning to zero when you press the key after the probe is put on the specimen.
Linear correction:	auto linear correction by the MCU programs(V Path auto-compensation)
Alarm function:	setting the measurement limit and alarming for the results beyond the limit.
Working voltage:	3.7V; lithium battery
Power off:	Auto power off if not working for 2 minutes, and the power key is also available.
Display contents:	thickness value, coupling state, power state, CAL calibration state, sound velocity
Shape size:	132 X 76.2 mm
Whole weight:	323g

Main functional parameters:

- Adapted to measure the thickness of good conductor for ultrasonic, such as metal(steel, cast iron, aluminum, copper), plastic, ceramic, glass, glass fiber and so on.
- Match with a series of probes with various frequency and crystal size.
- Automatic zero adjustment, two-point correction and auto correcting system errors.
- Able to measure the ultrasonic velocity in turn if the thickness value is known in order to improve the measurement precision.
- Two working modes: single point measurement and scanning measurement.
- Able to preset the upper limit and the lower limit for the thickness, alarm when the value is beyond the limit.
- Coupling state indicating in the display.
- With LED backlight of display, easily used in dark environment.
- Indicating remaining battery energy on the LCD for the real-time power energy monitoring.
- Able to communicate with the PC via USB interface
- Wireless printing with Embedded wireless module
- Optionally equipped with PC software properly, sending the measurement results, managing the measurement store, analyzing the measurement statistics, and printing the measurement reports and so on.
- Adaptive in poor operating environment, compatible with vibrating, impact, and electromagnetic interference.

Technical Parameters

Probe	5MHz,Φ10	5MHz,Φ8	2MHz,Φ12	7.5MHz,Φ6	3MHz,Φ12
Measuring Range (Steel)	0.8~300 mm	0.8~300 mm	2.0~400 mm	0.75~40 mm	3.0~100 mm
Accuracy (<10 mm)	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm
Accuracy (≥10 mm)	±0.5%H mm	±0.5%H mm	±0.5%H mm	±0.5%H mm	±0.5%H mm
Probe Diameter	10mm	8mm	12mm	6mm	12mm
Frequency	5MHz	5MHz	2MHz	7.5MHz	3MHz
Contact Temperature	-10~60°C	-10~60°C	-10~60°C	-10~60°C	-10~310°C
Min. Measuring Diameter	Ø5 x 3 mm	Ø0 x 1.2 mm	Ø0 x 4 mm	Ø5 x 1.2 mm	Ø5 x 3 mm