

**Portable Ultrasonic Pipe Thickness Gauge**

No	Description	Qty
1	Portable Ultrasonic Pipe Thickness Gauge included (battery, charger, USB-C cable, software, Sleeve, ...etc)	1
2	Standard size for sensors (Extra one sensor of the sensor provided with the device)	2
3	Extra battery	1

**Specification:**

- 1- The device shall support the three measuring modes: multiple-echo mode, single-echo, and echo-echo mode.
- 2- The device shall be supported by materials with velocities not less than **1,000 to 9,999 m/s**.
- 3- The device supports single crystal probes, twin crystal probes, and high temperature probes and should be provided with the device.
- 4- The resolution for the multiple-echo mode is **not less than 0.05 mm**, and **0.01mm** for the single-echo and echo-echo modes.
- 5- The device has capability to record measurement results and transfer data to a computer software by on an SD card.1 and/or Bluetooth.
- 6- The calibration block should be included with the device and support. One- and two-point calibration.
- 7- The device has the capability to measure wall thickness ranging from **0.5 mm to 250 mm**.
- 8- The device should have a battery life of not less than **10 hours** of continuous measurement.
- 9- The device should have a simple software computer to display continuous A-Scan output and measurement data.
- 10- The device should be certified for Shock and impact proof as US MIL STD 810G & Waterproof device.
- 11- The device should be provided with a standby battery and probe.
- 12- The weight of the portable device should be no more than **300 g**.
- 13- The accuracy of the device should not be less than **±0.05 mm (±0.002")**.
- 14- The probe should be designed for use on hot surfaces up to **350C**.
- 15- The device Supports Min/max measurement limit function alarms.
- 16- The device Supports and working with standard cable, more robust and braided cable.
- 17- Gain control shall be manual and Automatic.
- 18- The device supports using simple software to transfer and manage the data.
- 19- The device supports using the ability to use the Freeze feature.
- 20- The device should have a warranty for the device and the probe of not less than 1 year.
- 21- The device should have the capability to save measurements. Up to 5000 in the memory as a minimum.
- 22- The device should be easy to use.
- 23- The device should work with a variety of dual-coupler transducers at frequencies ranging from **1 MHz to 10 MHz**.
- 24- The device-capable probe should have Lemo-Lemo connectors that comply with all international standards.
- 25- The device should be high quality and used by companies and to provide us with an international references list.

