

# ULTRASONIC THICKNESS GAUGES



**ARW-1300** For order **22012327**

## Ultrasonic Thickness gauge for materials

The ARW-1300 uses ultrasound technology to measure the thickness of a material by simply placing the probe on the surface. This thickness gauge is able of quickly and accurately measuring the thickness of various materials or industrially manufactured parts, as well as monitor piping and pressure vessels of manufacturing equipment and the degree of corrosion of various parts in use. The large HD color display enables clear and precise reading of the measured values, even in low light conditions.

It is widely used in manufacturing, metal processing, commodity inspection, and other inspection areas.

- Menu operation and **large color backlight HD display** for clear and precise readings
- **Two calibration modes** (speed of sound calibration, basic calibration)
- **Wide selection of materials** for a correct calibration of the ultrasound speed in a simple and fast way (selectable list from the menu containing the most common materials, also available the "Custom" function to insert the speed of materials of your production)
- **Data memory** with archiving function (can be viewed directly from the instrument with a color graphic display)
- **Data statistics function** directly on the display (min. max., average values)
- Setting function of the **limit values** (alarm values) with acoustic and visual signaling through the color distinction on the display
- Graphic display of measures
- Auto-off function
- Probe supplied 5MHz (diameter 10mm)



- SUPPLY KIT**
- Instrument body
  - Operative Manual
  - ABS case
  - USB cable for charging
  - Companion gel
  - Ni-MH rechargeable battery
  - 1Probe supplied 5MHz (diameter 10mm)



### TECHNICAL SPECIFICATIONS

Measuring range	1.00 ~ 300.0mm
Data archive	1500
Probe selection	√
Operating frequency	5MHz/2.5 MHz
Measurement error	± (0.5% H+0.05)mm
Resolution	0.01mm (1.00 a 99.99) 0.1mm (100 a 300mm)
Lower limit of measurement of tube	∅ 20x3mm (steel)
Speed of sound adjustment range	1000 ~ 9999m/s
Operating temperature range	0 ~ 40 °C
Battery	3 1.2V Ni-MH rechargeable batteries
USB charge	5V 1A
Dimensions	65x146x30mm
Weight	130g
<b>Probe</b>	<b>Measurement parameters</b>
5MHz (6mm diameter)	1.00 ~ 300.0mm (Supplied)
5MHz (6mm diameter)	1.2 ~ 50.0mm (Optional)
2.5MHz	1.2 ~ 300.0mm (Optional)
5MHZ or for high temperatures	1.2 ~ 300.0mm (Optional)



### OPTIONAL ACCESSORIES

Code	Description
<b>22011045</b>	Multivalve calibration block (1-3-5-10-15 20mm)
<b>221120792</b>	Coupling liquid (1000 ml)

