

ULTRASONIC THICKNESS GAUGE A1208

General information



Thickness gauge A1208 is intended for gauging the thickness of pipes, boiler tubes, pressure vessels, steel plates, castings and other products of steel and non-ferrous metals. Test surfaces can be smooth or rough (corroded with roughness up to Rz160 and the radius of curvature from 3 mm).

The A1208 can be applied in many industries including: chemical, food, oil-and-gas, shipbuilding, power, distilling and brewing industries; on pipe-manufacturing, machine-shop, railway and road transport equipment and in municipal services.

The device is designed to use single and dual ultrasonic transducers with frequencies of 2.5, 5 and 10 MHz (any manufacturer)



Due to the system of adaptation to the surface of the product (Russian Patent № 2082160), analyzing interference from surface waves, it is possible to carry out measurements of the thickness of corroded pipes of small diameter and flat sheets with smooth surfaces by one ultrasonic probe without any adjustments, except for the ultrasound velocity if the material is different.

A1208 is executed in the case with extent of protection IP65.



Special features

- LED indicator shows wall thickness and low battery;
- Wear resistant single transducer;
- Ability to work at -30°C;
- Adaptation to the condition of the surface of the product.

Technical specifications

Thickness measurement range (for steel)	from 0.7 to 300 mm (0.028" to 12")
Measurement accuracy	± (0.5 % + 0.1 mm) (0.004")
Ultrasonic velocity adjustment range	from 1000 to 9000 m/s
Batteries (size AA)	2 pc.
Operation time without recharge	80 hours
Operation temperature range	from -30 to +60°C
Weight	155 g



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