B2

Ultrasonic thickness gauge

Purpose

The device is designed to measure the thickness of products from metallic and nonmetallic materials (sheets, tanks, pipes, pipelines, bridges, metal containers, transport and other structures, including highly corroded, with incrustation, etc.) during operation to determine their corrosion state at or after the manufacture of energy, tube, engineering, shipbuilding, transportation and other enterprises.

Features

- high sensitivity, simplicity and ease of operation;
- automatic probe recognition;
- possibility of manual and automatic adjustment of gain;
- colour display.

Delivery set

Measuring unit with probes (number and type is agreed with customer), miniUSB — USB cable for connection with PC, CD with operating manual and software for data transfer and processing, carrying case.

Real device size

Basic technical characteristics

- measurement range* (for steel) T, mm: 0.5–200;
- sound velocity, m/s: 1000–9999;
- resolution (keypad selectable), mm: 0.1; 0.01;
- measurement accuracy, mm: ±(0.005T +0.05) in range of 0.5 to 99.99; ±(0.005T +0.1) in range of 100.0 to 200.0;
- possibility of gain adjustment;
- data memory: up to 500 measurements;
- automatic probe recognition;
- transfer of data to PC;
- display: colour display (TFT 2.4" 320 × 240);
- power supply – Li-ion rechargeable battery, V: 3.7;
- operating temperature: from -10 °C to +50 °C;
- dimensions, mm: 120 × 57 × 20;
- weight, g: 150 including battery;
- connectors — Lemo 00.

Depends on characteristics of inspected material and type of transducer.

Probes with automatic probe recognition

PROBE	MHZ	TIP DIA, mm	RANGE (steel), mm
5A10	5.0	12.0	1.0-200
10A6	10.0	8.0	0.6-20.0
10A4	10.0	5.2	0.5-10
2.5A12	2.5	15.0	2.5-200