

B6-C

ultrasonic thickness gauge with A-scan and B-scan

Purpose

Thickness measurement:

- of products from metals and their alloys;
- under protective coatings;
- of non-metallic products (plastic, ceramics and other).

Features

- Possibility of metal thickness measurement under coating (in ECHO-ECHO mode and PULSE-ECHO-COATING mode);
- possibility of coating thickness measurement (in PULSE-ECHO-COATING mode);
- colour display (TFT 2.4", 320 × 240);
- possibility of ECHO signal graphic display in A-scan mode;
- B-scan;
- automatic probe recognition;
- high accuracy and reliability;
- wide range of wear resistant transducers.



Real device size



Basic technical characteristics

Range of measured thicknesses (for steel)* T

- with dual transducers: 0.5–300 mm;
- with direct transducer (with delay line): 0.25–10 mm;
- with specialized dual transducers (for measurements under protective coatings with thickness** up to 2.0 mm): 0.6–100 mm

Speed of ultrasound propagation

1 000–9 999 m/s

Measurement resolution

0.1; 0.01 mm

Measurement accuracy

- $\pm(0.005T + 0.05)$ in range of 0.25 to 10.0 mm;
- $\pm(0.01T + 0.1)$ in range of 10.0 to 300 mm

Overall dimensions

120 × 57 × 20 mm

Power supply — built-in LiPo rechargeable battery

3.7 V

Range of operating temperatures for devices (basic)

–20...+50 °C

Continuous operating time: 8 hours

Device weight: ≤150 g

Delivery set

- Measuring unit with two transducers, one of them for inspection of metallic products under coating (additional transducers can be ordered);
- zero plate;
- charging unit;
- operating manual;
- mini-USB — USB A type cable for connection with PC;
- CD with software for transfer to PC and processing of measuring results;
- shock-proof small-sized case.

Guarantee period

- Measuring unit — 3 years;
- transducers — 2 years.

* Depends on characteristics of inspected material and type of transducer.

** Depends on characteristics of coating material.