

K6-C

multifunctional coating thickness gauge of all types of coatings

Purpose

Thickness measurement of:

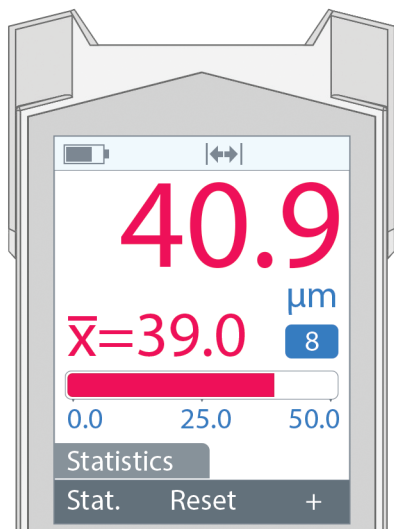
- galvanic (zinc, chromium, nickel, cadmium, silver, tin and other) coatings on steel products;
- galvanic (zinc, chromium, nickel, cadmium, silver, tin and other) coatings on products from non-ferrous metals;
- paint, lacquer, enamel, powder, mastic and other dielectric coatings on steel products;
- anodic oxide, phosphate and other dielectric coatings on ferrous and non-ferrous metals;
- special dielectric and metallic thick coatings, plated coatings;
- coatings on the internal surfaces of pipes and cylindrical products;
- copper foils on printed circuit boards;
- sheets of conductive non-ferrous materials and galvanic coatings on products from dielectric materials;
- two layers coatings;
- protective layer of concrete and determination of steel reinforcement position in concrete;
- wall thickness of large products from fiberglass and carbon fiber reinforced plastics during manufacture and delivery with one side and two sides access.

Measurement of groove depth and evaluation of surface roughness after sand blasting or grit blasting.

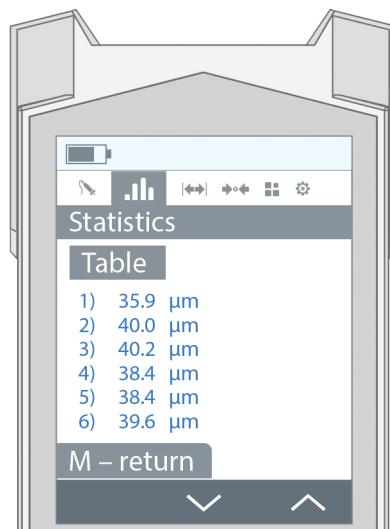
Control of climatic conditions (air humidity, air and metal surface temperature, dew point temperature and determination of ΔT parameter).



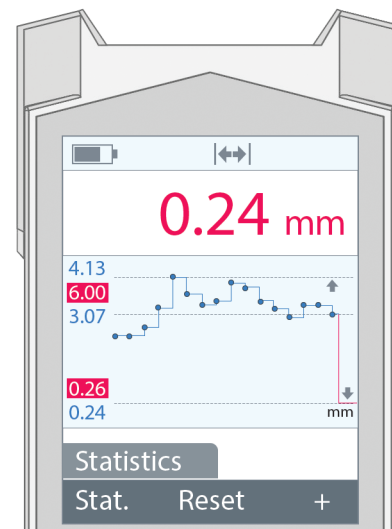
*K6-C with probes.
Real device size*



Automatic averaging with upper and lower limits



Measurement results viewing in statistical sample



Scan mode with upper and lower limits

Features

- TFT colour display with 2.4" diagonal and a built-in Li-Ion battery;
- shockproof ergonomic body with rubberized corners;
- keyboard with functional keys that change their purpose depending on the mode of operation of the device and user-friendly and intuitive interface;
- additional modes and device settings;
- extended set of wear-resistant ergonomic small-sized transducers;
- support for transducers with several calibration characteristics (up to 6 for PH3 series probes, up to 4 for NF-G probes, up to 2 F-G probes).

Delivery set

- Measuring unit with transducers (number and modification depend on customer's choice);
- charging unit;
- set of coating thickness reference specimens and substrates reference specimens (based on selected transducers);
- mini-USB — USB A type cable for connection with PC;
- operating manual;
- shockproof case.

Guarantee period

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

Basic technical characteristics

Coating thickness range

0.5 µm...120 mm (depends on connected transducer)

Number of transducers

Unlimited (according to customer's choice)

Temperature range

- for device: -30...+40 °C;
- for transducers: -40...+50 °C (up to +350 °C for high temperature transducers)

Calibration methods

- additive one-point;
- two-point;
- one-point with automatic multiplicative correction

Power supply

Built-in Li-Ion battery in 3.7–4.2 V, 1 500–1 700 mAh

Continuous operation time

Min. 12 hours

Connectivity with PC

USB 2.0 channel

Overall dimensions

60 × 120 × 25 mm

Weight of electronic unit: 120 g

Charging time: 4 h