

## K5-C

### multifunctional coating thickness gauge of all types of coatings

#### Purpose

Thickness measurement of:

- dielectric (paint, lacquer, enamel, plastic, teflon, anodic oxide, mastic and other) coatings on products from ferrous and non-ferrous metals;
- galvanic (nickel, zinc, chrome, cadmium, tin, silver, copper and other) coatings on products from ferrous and non-ferrous metals;
- multilayer coatings (layer by layer);
- plated coatings;
- special conductive coatings on products from metals and plastics;
- lacquer, paint and galvanic coatings on inner surfaces of pipes and cylindrical products;
- 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.

Surface roughness measurement after sand blasting and grit blasting.

Measurement of humidity, air temperature, metal temperature and dew point temperature during paint works.



*K5-C with probes.  
Real device size*

## Features

- Application of combination of pulsed inductive, eddy current parametric and phase digital methods of receiving primary information;
- large number of new generation wear resistant transducers of wide purpose of application with algorithms that avoid influence of wear on measurement accuracy;
- various measuring modes, wide range of functions for work with statistics;
- larger keypad and colour TFT display with 2.4" diagonal ensure user-friendly interface;
- shock-resistant ergonomic housing with rubberized corners and wear resistant glass;
- absence of temperature and time drift of measurement results;
- built-in Li-Ion rechargeable battery.

## Basic technical characteristics

### Measurement range

0.5  $\mu\text{m}$  – 120 mm

### Quantity of transducers

Unlimited (according to customer's selection)

### Quantity of stored measurement results

From 500 to 10 000 with splitting into groups

### Calibration methods

- one-point calibration (zero on uncoated substrate);
- two-point

### Connectivity with PC

USB 2.0 channel

### Temperature range

- for device:  $-30\dots+40$  °C;
- for transducers:  $-40\dots+60$  °C  
(up to  $+350$  °C for high-temperature transducers)

### Power supply

Li-Ion, 3.7–4.2 V, 1.5–1.7 mAh

### Overall dimensions

60 × 125 × 20 mm

### Weight of electronic unit

120 g

### Continuous operating time

12 hours (depending on measurement mode)



*Basic delivery set of K5-C*

## Delivery set

- Measuring unit with transducers (quantity and modification according to customer's selection);
- charging unit;
- set of coating thickness reference specimens;
- substrate reference specimen (based on selected transducers);
- mini-USB — USB A type cable for connection with PC;
- operating manual;
- CD with software for transfer of measurement results to PC and processing of measurement results (creating reports);
- shock-resistant case.

## Guarantee period

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