Coating Thickness Gauge

Portable Coating Thickness Gauge device for operative non-destructive testing of coating thickness with high measurement accuracy.

Coating thickness gauge is designed to test:

- Thickness of various thick protective coatings on various metals and alloys;
- Thickness of paint and other dielectrics – radioabsorbing, mastic, teflon, plastic, lectroplating coatings on steel;
- Thickness of electroplating and paint coatings on non-ferromagnetic alloys and non-ferrous metals;
- Thickness of bitumen and other thick coatings on various metals and alloys;
- As well as relative humidity, air temperature, surface temperature, dew point temperature and difference between surface and dew point temperatures, estimate the depth of grooves and the surface roughness

Electronic thickness gauge – device which widely used in shipbuilding and automotive industries for measuring the thickness of paint, in order to test the quality of products, also it used for determining technical condition of the tested objects.

The advantages of Coating Thickness Gauge –

• Large thickness measurement range • Convenience and ease in operation • Minimum number of controls: one button – one function • Graphical display with backlight • Automatic recognition of brobe • Indication of the connected probe type • Control of batteries	

Specifications of Coatings Thickness Gauge –

The range of measured thicknesses (depending on sensor type)	-	0 µm ... 60 mm
Overall dimensions	-	120mm x60mm x25mm
Operating temperature range	-	-5 ... +40 ° C
Batteries	-	2 AAA
Time of continuous work hours, not less	-	20h
Weight of electronic unit with battery, no more	-	0.2kg

Specifications of probes for Coating Thickness Gauge –

Dielectric and conductive coatings on ferromagnetic metals and alloys			
Type of probe	**The coating thickness range**	**The measurement accuracy**	**Dimensions of the sensor, mm**
probe F-0, 3	0-300 µm	± (3% ± 1 µm)	Ø5x40
probe F-0, 5	0-500 µm	± (3% ± 1 µm)	Ø 7x14
probe F-2	0-2000 µm	± (3% ± 2 µm)	Ø 9x35
probe F-5	0-5000 µm	± (3% ± 2 µm)	Ø 18x35
Coating on the non-magnetic metals (Dielectric coatings on non-ferrous metals and alloys)			
probe SF-0, 5	0-500 µm	± (3% ± 2 µm)	Ø 12x35
probe NF-2	0-2000 µm	± (3% ± 2 µm)	Ø 12x35
Thick coatings on metals (dielectric coatings on metals)			
probe M-12	0-12 mm	± (3% + 0.002 mm)	Ø 15x50
probe M-30	1-30 mm	± (3% + 0.003 mm)	Ø 40x50
probe M-60	1-60 mm	± (3% + 0.005 mm)	Ø 70x60
Measurement of surface roughness, Rz (After Abrasive blasting pre-painting work)			
probe DSH	2-360 µm	± (3% ± 2 µm)	Ø 12x45
Temperature, humidity and dew point			
probe DT	-50 ... +125 ° C	+ / - 1 ° C	Ø 15x45
probe DTVR	Humidity: 0 - 100% Temperature: -50 ... 125 °C Dew point: -15 - +40 °C	± 5% ± 1 ° C ± 2 ° C	Ø 15x120

Additional options for ordering of Coating Thickness Gauge –

- Additional probes for thickness gauge (depends on requirements)
- Batteries
- Charger
- Set of thickness samples

Standard set of Coating Thickness Gauge –

- Thickness gauge electronic unit
- Probe – 1pc
- Set of reference thickness samples
- AAA batteries – 2pcs
- Charger
- Operating manual
- Case