

COATING THICKNESS GAUGE **ADL GT10**

The coating thickness gauge is designed to measure the thickness of decorative, paintwork, electroplating, fire retardant and any other non-magnetic conductive and non-conductive coatings on a ferromagnetic and non-ferromagnetic base.

made in
TURKEY



Coating Thickness Gauge GT10

Coating Thickness Gauge GT10 has great functionality, versatility, and the ability to measure coatings on various substrates. It is easy to use and will not cause difficulties in the process of mastering the device by new users.

The thickness gauge has the ability to individually calibrate inductive and parametric transducers for the characteristics of specific bases and coatings of control. The device is designed for use in laboratory and production conditions.

An important role in everyday use is also played by a shock-resistant ergonomic case with rubberized inserts and wear-resistant glass that protect the device from falls, accidental bumps and other physical impacts that can occur in a production environment.

Application area:

- Measurement of the thickness of galvanized coatings and paint coatings on steel substrates;
- Measurement of thickness of paint and varnish, polymeric and other dielectric coverings on the steel bases more than 0.5 mm thick;
- Measuring the thickness of insulating and electrically conductive non-ferromagnetic coatings on metal substrates;
- Measurement of thickness of galvanic coverings on electro-conductive ferromagnetic alloys;
- Measurement of the thickness of dielectric coatings and electrically conductive non-ferromagnetic coatings on non-ferrous and ferrous metals;
- Measurement of the thickness of dielectric thick-layer coatings on magnetic, non-magnetic substrates, ferrous and non-ferrous metals.
- Surface roughness measurement;
- Measurement of temperature, humidity and a dew point.

Key benefits of the GT10 Coating Thickness Gauge:

- Use of a combination of pulsed induction, eddy current parametric and phase digital methods for obtaining primary information;
- A wide range of wear-resistant transducers for various purposes with operation algorithms that exclude the effect of wear on the measurement error;
- The possibility of carrying out tolerance control and measurements with averaging;
- Absence of temperature and time drift of readings;
- Possibility to control coatings on parts with roughness up to $Rz=400\ \mu m$
- Possibility of individual calibration of inductive and parametric transducers according to the features of specific bases and control coatings;
- Auto-detection of the connected sensor;
- Possibility of storing calibrations and measurement results in non-volatile memory of the instrument with subsequent transfer to a PC via USB for statistical processing and storage;
- Automatic power off after the end of measurements;
- Standard Lemo connectors
- Built-in rechargeable battery provides up to 8 hours of continuous operation.

Main technical characteristics:

Sensor	Measurement range	Sensor	Measurement range
Coatings on steels (dielectric and electrically conductive coatings on ferromagnetic metals and alloys)			
Sensor SF0.3	0-300µm	Sensor SF2	0-2000 µm
Sensor SF0.5	0-500 µm	Sensor SF5	0-5000 µm
Coatings on non-magnetic metals (dielectric coatings on non-ferromagnetic metals and alloys)			
Sensor SN2	0-2000 µm		
Thick-layer coatings on metals (dielectric coatings on ferromagnetic and non-ferromagnetic metals and alloys)			
Sensor SM12	0-12000 µm	Sensor SM12	0-12000 µm
Sensor SM30	0-30000 µm		
Measurement of temperature, humidity and dew point			
Sensor SH1		Sensor ST1	
temperature	-50...+80 °C	temperature	-50...+80 °C
humidity	0-100%		
dew point	-15...+40 °C		
Roughness evaluation			
Sensor SR1	2-300 µm		
Parameter	Value	Parameter	Value
Display	TFT with 240x320 reflection matrix	Dimensions	142x75x35 mm
Memory	?	Weight	240 g
PC connection	USB-C	Terms of Use	Temperature -10 till +50°C
Time of continuous work	Up to 8-9 hours, low battery alarm	Degree of protection against dust and moisture	IP-54
Power supply	LiPo battery		