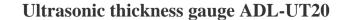


Mehmet Akif Ersoy Mahallesi 325. Sokak No: 3/111 Yenimahalle/Ankara www.adelixturkiye.com info@adelixturkiye.com +90 532 390 74 20 +90 312 354 33 87





Ultrasonic thickness gauge ADL-UT20 can work with any separately combined transducers operating at frequencies from 2.5 MHz to 10 MHz, their use provides high reliability of results in laboratory, workshop and field conditions.

This device is implemented on a modern electronic base, equipped with a bright color screen and builtin memory for storing settings, characteristics of results.

This model has a simple and intuitive interface.

Lightweight shockproof case of this thickness gauge provides dust and moisture protection in various operating conditions, resistance to drops from a height of up to 2 meters.

The ADL UT-20 ultrasonic thickness gauge is often used to quick measurement the thickness of metal and non-metal products such as: sheets, tanks, pipes, pipelines, bridge, hull, transport and other structures, during their operation to determine the corrosion state or after their manufacture.

Widely applicable to energy, metallurgical, machine building, shipbuilding, transport and other industrial enterprises.

Features of ultrasonic thickness gauge ADL UT-20:

- high sensitivity;
- convenience in work;
- intuitively simple interface;
- the possibility of manual and automatic sensitivity adjustment;
- measuring range from 0.8 to 300 mm;
- the ability to connect any number of converters;
- bright color screen;
- possibility of recording measurement results and data transfer to a computer;
- large memory with over 5000 measurements;
- built-in Li-on battery provides up to 8-9 hours of operation.

The functionality of the thickness gauge provides the output of messages about the level of charge of the battery, as well as an additional notification of the maximum permissible discharge of the battery. When turned off, the device remembers the settings for the transducer (correction of the zero setting, gain, set ultrasonic speed in the material and levels). This device also has the function of setting up transducers by ensuring the established metrological characteristics for them and saving these settings in the memory of the device.



Mehmet Akif Ersoy Mahallesi 325. Sokak No: 3/111 Yenimahalle/Ankara www.adelixturkiye.com info@adelixturkiye.com +90 532 390 74 20 +90 312 354 33 87

Specifications

Parameter	Value
Measurement Principle	Ultrasound
Range of controlled thicknesses (of steel) with separate-combined transducers	0,8–300 mm
Complicated Shape Products	Minimum radius of curvature of the product is 10mm
Propagation speed of ultrasound	1000–9999 m/s
Measurement resolution	0,1; 0,01mm
Intrinsic measurement accuracy by rang	es:
T*=0,610	$\pm (0.01T+0.03)$ mm
T*=10300	$\pm (0.01T+0.1)$ mm
Microcontroller	ARMCortex-M4
Display	TFT with matrix 240x320 pix
Memory	Up to 5000 measurements sorted by date time
Settings	Correction of the "0" setting, path amplification parameters, adjustment to a specific material, automatic shutdown time (1–60 minutes), brightness, setting of rejection levels during analysis.
Communication with PC	micro-USB
Uptime	Up to 8-9 hours low battery alarm
Power supply	Li-Ion Battery
Dimensions	142×75×35mm
Weight	240g
Operating conditions	Temperature: -10 to +50°C
Level of dust and moisture protection	IP-54

BASIC DELIVERY SET:

- • Thickness gauge ultrasonic;
- •Converter 2 pcs;
- Case;
- Manual;
- Passport;
- Cable micro-USB;
- Charger;
- Standard gauge for zero setting on dual-coupled probes 8.02mm