



From NDT Mart

KD-500 Ultrasonic Colour Wave Thickness Gauge

Are you using a regular digital thickness gauge and having problems getting accurate or reliable readings?
Or any readings at all?

Are you trying to measure coarse-grain materials (e.g. cast iron), Aluminum, small diameter pipes, super thin sheet, super thick plate, rough surfaces, non-uniform inner surfaces?
Conditions that ordinary Thickness Gauges cannot test.

If you are then the KD-500 Ultrasonic Colour Wave Thickness Gauge is an economical answer to your problems....



Features

The KD-500 waveform Thickness Gauge can easily measure coarse-grain materials (e.g. cast iron), Aluminum, small diameter pipes, super thin sheet, super thick plate, rough surface and non-uniform inner surfaces easily.

By adjusting the parameters (Gain, Blanking, Gate) according to the each different material and condition it will provide more accurate and reliable measurements.

With the Color A-scan you can see directly see the color waveform of the ultrasonic sound (or A-scan) on the screen, which is important to ensure the correctness of the test results. Previously in many cases there could have been wrong testing results or even no readings at all.

Specifications

Operating Principle:	Ultrasonic pulse/echo method with dual-element probes.
Measuring Range:	0.5-508mm; 0.02-20 inch depending on probe, material, surface condition and temperature
Units and Resolution:	mm -0.01; 0.1; inch -0.001; 0.01
Material Velocity Range:	500~9999 m/s; 0.0197~0.3937 in/us
Display Modes:	Digital Thickness Readout; A-scan or Waveform Min./ Max. Capture; D-Value/ Reduction
V-path Correction:	Automatic V-path Correction, compensating the nonlinear characteristic of dual-element
Measuring Error:	±0.05mm (up to 25mm); ±0.2% H (up to 100mm) ±0.5% H (above 100mm) Note: H is the height of the material.
Repeatability:	±0.05mm
Display Screen:	320x240 dot matrix, 2.4 inch color screen
Measuring Rate :	4 times per second
Power Supply:	Two AA alkaline batteries
Operating Time:	More than 36 hours, with two AA alkaline batteries
Auto Shut-off:	After 5 minutes of non-use
Operating Temperature:	-10°C ~ +50°C; Specification to -20 on request
Size:	153mmx76mmx37mm (HxWxD)
Weight:	280g, including batteries
Operating Languages:	English
Warranty:	2 years limit

Standard Package: KT-500 Thickness Gauge, Standard Probe PT-08, Carrying Case, Two 1.5V AA Alkaline Batteries, Couplant and Operating Manual

Accessories: Several selectable probes; test block; couplants and high temperature couplant