

KDUTG5300 Coating Thickness Gauge



Standard Configuration

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| Main Body | 1 |
| Standard Probe (5MHz,D10mm) | 1 |
| Couplant | 5 |
| ABS Case | 1 |
| Product Certificate | 1 |
| Warranty Card | 1 |
| Manual | 1 |
| 1.5V AA size battery | 1 |

Optional Accessories

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| Large diameter probe (2.5MHz) |
| Large range probe (2MHz) |
| Micro-diameter probe (7MHz) |
| High temperature probe (5MHz) |
| High temperature couplant |

Introduction

Ultrasonic Thickness Gauge measuring with ultrasonic wave, is applicable for measuring the thickness of any material in which ultrasonic wave can be transmitted and reflected back from the other face.

The gauge can provide quick and accurate measurement to various work pieces such as sheets of board and processing parts. Another important application of the gauge is to monitor various pipes and pressure vessels in production equipment, and monitor the thinning degree during using. It can be widely used in petroleum, chemical, metallurgy, shipping, aerospace, aviation and other fields

Features

- Capable of performing measurements on a wide range of material, including metals, plastic, ceramics, composites, epoxies, glass and other ultrasonic wave well-conductive materials
- Can collocate variety different frequencies, wafer sizes of probes
- Sound Velocity Calibration function as a known thickness
- Coupling status indicator showing the coupling status
- 128*64 LCD with LED backlight, color display
- Have the battery indicator function, can real-time display the remaining power
- Auto sleep and auto power off function to conserve battery life
- Smart, portable, high reliability, suitable for bad environment resist to vibration, shock and electromagnetic interference
- USB Output for printer or pc

Technical Specification

| Model | KDUTG5300 |
|-----------------------------|--|
| Display | 128 x 64 LCD with LED backlight, Color display |
| Measuring Range | (0.75~600)mm (Steel) |
| Velocity Range | (1000~9999) m/s; |
| Resolution | 0.01mm |
| Measuring accuracy | ±(0.5%H+0.04mm); H is thickness value |
| Measurement cycle | Single point measurement 6 times/per |
| Storage | 3000 values of saved data |
| Resolution | 0.001mm, 0.01mm, 0.1mm selectable |
| Lower limits of steel pipes | φ20mm x 3.0mm (5MHz probe) φ15mm x 2.0mm (7MHz probe) |
| Power Source | 4 pcs 1.5V AA size |
| USB Port | USB Port |
| Working Time | more than 50 hours (LED backlight off) |
| Outline Dimensions | 160 x 78 x 33 mm |
| Weight | 245g |