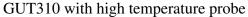
Ultrasonic Thickness Gauge GUT310







GUT310 with standard probe

Ultrasonic thickness gauges measure the thickness of ultrasonic wave well-conductive materials with parallel top and bottom surfaces.

Under normal temperature, it measures the thickness of both metal (steel, aluminum, titanium, etc.) and nonmetal (plastics, ceramics, glass, etc.) parts. It is commonly used to measure (remaining) wall thickness of pipes and pressure vessels. You can measure thickness of high-temperature steel parts with an optional high-temperature probe.

Features: inch/mm selectable; zero-point or two-point calibration; minimum capture feature; upper and lower limit setting (will buzz); coupling condition indication; easy to operate; optional software; optional micro printer.

Specifications:

Measuring range 0.031"-11.81" (0.8-300 mm) with standard probe

Accuracy $\pm (0.5\% \text{ thickness} + 0.02 \text{ mm})$

Minimum requirement for steel pipes 5 MHz probe: Ø0.8"×0.12" (Ø20×3.0 mm)

Display 128×64 LCD with LED backlight

Display resolution 0.01 mm (<100.0 mm), 0.1 mm (>99.99 mm), 0.001"

Material velocity range 1000-9999 m/s (0.039-0.394 in/μs)

Power supply 2×1.5 V AA batteries

Data output RS232

Onboard memory up to 5 files (up to 100 values for each file)

Operating temperature 32 °F-104 °F (0 °C-40 °C)

Weight 238 g

Dimensions 150×74×32 mm

Specifications of standard and optional probes:

| Probes | Frequency | Measuring Range (Steel) | Min. Pipe Size |
|-------------|-----------|------------------------------|----------------------------------|
| CT-10 (90°) | 5 MHz | 0.031"-11.81" (0.8-300.0 mm) | Ø0.8"×0.118" (Ø20×3 mm) |
| PT-06 | 7.5 MHz | 0.029"-0.984" (0.75-25.0 mm) | Ø0.6"×0.079" (Ø15×2 mm) |
| ZW5PØ10 | 5 MHz | 0.029"-0.984" (0.75-25.0 mm) | High temp. up to 752 °F (400 °C) |
| ZT-12 | 2 MHz | 0.079"-15.75" (2.0-400.0 mm) | Casting work piece |

Standard accessories: Optional accessories:

Main unit Ultragel II coupling jel 4oz temperature -10 °F to 210 °F

Probe CT-10 (90°) Software & communication cable

2×1.5 V batteries Micro printer & cable

Ultragel II coupling jel 2 oz Optional transducers

NIST calibration certificate Step test blocks

Instruction manual

Carrying case



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