

Ultrasonic Thickness Gauge GUT310



GUT310 with high temperature probe



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: $\text{Ø}0.8" \times 0.12"$ ($\text{Ø}20 \times 3.0 \text{ mm}$)

Display	128x64 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/ μ s)
Power supply	2x1.5 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	150x74x32 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:

Main unit
 Probe CT-10 (90°)
 2x1.5 V batteries
 Ultragel II coupling gel 2 oz
 NIST calibration certificate
 Instruction manual
 Carrying case

Optional accessories:

Ultragel II coupling gel 4oz temperature -10 °F to 210 °F
 Software & communication cable
 Micro printer & cable
 Optional transducers
 Step test blocks



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