

Ultrasonic Thickness Gauge TIME2130 (TT300A)



Time Group ultrasonic thickness gauges measure the thickness of ultrasonic wave well-conductive materials with parallel top and bottom surfaces. It measures the thickness of both metal (steel, aluminum, titanium, etc.) and nonmetal (plastics, ceramics, glass, etc.) parts. They are commonly used to measure (remaining) wall thickness of pipes and pressure vessels.

The display is mm/inch selectable. Zero-point or two-point calibration. Coupling condition indication. This model is easy to operate. A durable protective rubber cover keeps the unit clean from dust or splash.

Data output: RS-232 serial, asynchronous. 8 bits, 1 stop bit, selectable baud rate (1200, 2400, 4800, and 9600). Optional micro printer.

Specifications:

	Thickness<10mm	±0.05mm
Tolerance:	10mm<Thickness<99.99mm	±0.5%+0.01mm
	Thickness>100mm	±1%+0.1mm
	Pipe	±0.1mm
Display resolution:		0.1/0.01mm/0.001"

Material velocity range (meters/second): 1000-9999
 Preset sound velocities: 5 materials
 Upper Lower limit setting and sound alarm
 Zero-point and two-point calibration
 Onboard memory: 500
 Low battery indicator
 Operating temperature: -10° to 60°C
 Weight: 250g
 Dimensions: 152×74×35mm

Probe (transducer) specifications:

Probes	Frequency	Measuring range (steel)	Min. Ø	Min. pipe size
5P Ø 10/90°	5MHz	0.047"-8.858" (1.2-225mm)	0.5"/12mm	Ø0.8"×0.16" (Ø 20×4mm)
SZ2.5P	2.5MHz	0.118"-11.81" (3-300mm)	0.6"/14mm	NA
7P Ø 6	7MHz	0.030"-2.362" (0.75-60mm)	0.3"/7.5mm	Ø0.6"×0.08" (Ø 15×2mm)

Standard accessories:

Calibration certificate
 Main unit with protection cover
 Probe 5P Ø 10/90°
 2×1.5V AA batteries
 Instruction manual
 Carrying case
 Screwdriver
 Bottle of coupling paste

Optional accessories:

Probe SZ2.5P for thick, rough parts
 Probe 7P Ø 6 for thin parts
 Coupling paste
 Micro printer TA230
 Dataview software & communication cable