

The model TC-200 & TC-400 are a digital ultrasonic thickness gauge. They are capable of measuring the thickness of various materials with accuracy as high as 0.01 millimeters. It is suitable for a variety of metallic and non-metallic materials.

### Main Functions:

- Capable of performing measurements on a wide range of material
- Four transducer models are available for special application
- Probe-Zero function, Sound-Velocity-Calibration function
- Two-Point Calibration function.
- Two work modes: Single point mode and Scan mode.
- Coupling status indicator showing the coupling status.
- Battery information indicates the rest capacity of the battery.
- Auto sleep and auto power off function to conserve battery life.
- Optional software to process the memory data on the PC.
- Optional thermal mini-printer to print the measured data via RS232 port.



	Item	Quantity	Remarks
<b>Standard Package</b>	Main body	1	
	Transducer	1	
	Couplant	1	
	Instrument Case	1	
	Operating Manual	1	
	Alkaline battery	2	AA size
<b>Optional accessories</b>	Transducer: N02		
	Transducer: N07		
	Transducer: HT5		
	Mini thermal printer	1	
	Print cable	1	
	DataPro for Thickness Gauge	1	For use on the PC
	Communication Cable	1	

specification	TC-200	TC-400
Operating temperature	-20°C ~ +60°C	-20°C ~ +60°C
Storage temperature	-30°C ~ +70°C	-30°C ~ +70°C
Relative humidity	≤90%	≤90%
LCD	4.5 digits LCD with EL backlight	128×64 dot matrix LCD with EL backlight
Data memory	20 files (up to 99 values for each file)	20 files (up to 99 values for each file)
Measuring range	(0.75~300) mm (in Steel)	(0.75~300) mm (in Steel)
Sound Velocity Range	1000~9999 m/s	1000~9999 m/s
resolution	0.1mm/0.01mm (selectable)	0.1mm/0.01mm (selectable)
Accuracy	± (0.5% Thickness+0.04) mm	± (0.5% Thickness+0.04) mm
Units	Metric/Imperial	Metric/Imperial
Power supply	3V (2 AA size alkaline battery)	3V (2 AA size alkaline battery)
Communication	RS232 serial port	RS232 serial port
Instrument shell	Compact Plastic case	Compact Metal case
Outline dimensions	150×74×32mm	132×76.2×32 mm
weight	245g	345g