

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 |
|----------------------|-----------------------------|----------|-------------------|
| Standard Package | Main body | 1 | |
| | Transducer | 1 | |
| | Couplant | 1 | |
| | Instrument Case | 1 | |
| | Operating Manual | 1 | |
| | Alkaline battery | 2 | AA size |
| Optional accessories | 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℃ ~ +60℃ | -20℃ ~ +60℃ |
| Storage temperature | -30℃ ~ +70℃ | -30℃ ~ +70℃ |
| 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 |