

## WT-710/ WT-720 Specifications

### Base Instrument Package

1. **WT-710 or WT-720** Thickness Gauge
2. **WT-SSD1575**, 15MHz, Single Transducer(Delay Line)
3. **WT-A01-N** Aluminum Case
4. **WT-C35-N** Couplant (120ml)
5. Operating Manual
6. Factory Certificate of Calibration

### WT-720 Package

1. Data Acquisition Software
2. RS-232 Cable

### Specifications

Operating Principle	Ultrasonic Echo / Echo
Transducer	Single Element with Delay Line 10 ~ 22 MHz Frequency Range Lemo Connector 4 foot (1.2 meters) Cable Custom Transducers Available upon Request
Measurement Modes	Auto-Switchable Measuring Mode (Echo-to Echo Mode and Interface-Echo Mode), Scan Mode, Differential Mode, Alarm Mode
Measuring Range	0.0060 to 1.0000 inches (0.15mm ~ 25.40mm) in steel
Measuring Resolution	0.0001 inch (0.001mm)
Material Velocity Range	0.0492 ~ 0.3937 in/ $\mu$ s (1,250 ~ 10,000 m/s)
Display Type	Multi-function 4.5 Digit LCD with 0.500 inch numerals, Backlight is selectable on/off/auto (illuminates only when taking a measurement), Measurements displayed in inches, inches/microsecond, millimeters, and meters/second, Bar graph indicates stability of reading
Display Language	English
Power Supply	2 $\times$ 1.5V alkaline (150 hours) or 2 $\times$ 1.2V NiCad AA cells (100 hours)
Auto Shut-Off	After 5 minutes of non-use
Data Logger Memory (WT-720)	Up to 1,000 readings
Number of Data Group (WT-720)	Up to 10 files
Data Output Port	Data Bits-8, Parity-None, Stop Bits-1, Baud Rate: 1,200 RS232
Operating Temperature Range	-20°F ~ 120°F (-30°C ~ 50°C)
Dimensions (W x H x D)	2.5" $\times$ 4.5" $\times$ 1.24" (63.5mm $\times$ 114.3mm $\times$ 31.5 mm)
Weight	10 ounces with batteries (0.28kg)
Warranty	A full one-year warranty on parts and labor

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# WT-700 (WT-710, WT-720) SERIES

## Precision Thickness Gauge





## WT-700 (WT-710, WT-720) SERIES Precision Thickness Gauge

You made just a right choice! **WT**  
Worltech

The WT-700 series are **precision ultrasonic thickness gauges** with accuracy as high as  $\pm 0.0001$  inches (or  $\pm 0.001$  millimeters). With the WT-700 series you can measure the thickness of various materials such as steel, plastics, and glass **without removing the paint or the coating** reaching to **only one side** of the material being measured, resulting of shortening inspection time and reducing costs.

### WT-700 Series (WT-710, WT-720) Precision Thickness Gauge

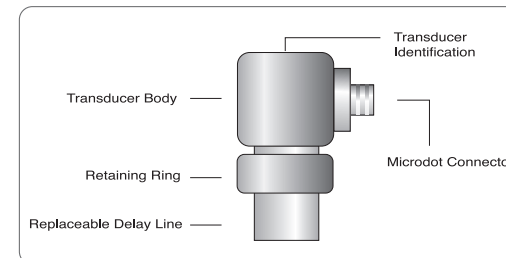
- Using a single element delay line transducer, the unit is capable of reading thin metals down to 0.006 inches (0.15 millimeters) without removing the paint in Echo-to-Echo Mode
- The WT-700 series automatically switch the measurement mode between Echo-to-Echo Mode and Interface-Echo Mode when they are in Auto Mode.
- The units are loaded with the features usefully used in the operating fields; such as Alarm Mode, Differential Mode, Data Output, and Internal Data-Logging (only for the WT-720). They are simple and easy to operate.
- Being packaged in an all aluminum sealed case, the WT-700 series are resistant to the harsh working environment.
- The unit retains all of its settings even when the power is off due to its special memory function.



## WT-700 (WT-710, WT-720) SERIES Precision Thickness Gauge



- **Alarm Mode** : If the measurement falls below your minimum specified value or is over your maximum specified value, the red LED will illuminate and the beeper will sound. The green LED will illuminate to indicate an acceptable thickness measurement.
- **Differential Mode** : The unit will display the positive(+) or negative(-) difference from the specified value.
- **Data Output** : RS-232 output sends data to a serial printer, a computer or other external storage device.
- **Internal Data Logger** (only for the WT-720) : Automatic Data Logging System with 1,000 reading capacity (10 files of 100 readings each) Complete with data acquisition software and cable
- **Scan Mode** : The unit will display the thinnest reading found at a rate of 8 readings per second.



Side View of a Single Element Delay Line Transducer

