

Function	WT200A	WT210	WT211
Thickness measurement of non-metallic coating on the surface of magnetic metal substrate	√	×	×
Thickness measurement of non-magnetic surface coatings on magnetic metal substrates	√	×	√
Measuring the non-magnetic film on the magnetic metal substrate	×	√	√
Automatically identifying the non-magnetic metal substrate or magnetic metal substrate	×	×	√
Single measurement, continuous measurement and differential measurement available	√	√	√
Zero-point calibration, 2-point calibration and basic calibration available	√	√	√
Metric and imperial units of measurement optional	√	√	√
LCD backlight	×	√	√
Automatic shutdown	√	√	√
Two modes(Car/User)	√	×	×

Specification	WT200A	WT210	WT211
Measurement ranges	0~1.80mm/0~71.0 mil	0~1800µm/0~70.9 mil	0~1500µm/0~59 mil/0~1.5mm
Resolution	0.05mm/2mil(Car) 0.01mm/1mil(User)	0.1µm/1µm/0.1mil	(0.1µm, 1µm)/0.1 mil/0.001mm
Measurement error	±0.1mm	±(3%H+1µm)	≤150µm ±5µm >150µm ±(3%H+1µm)
Min. diameter of substrate	50mm	φ12mm	12mm(Magnetic) 50mm(Non-magnetic)
Min. thickness of substrate	0.5mm	0.5mm	0.5mm(Magnetic) 50mm(Non-magnetic)
Operating temperature range	18~30°C	0~40°C	0~40°C
Work humidity range	10~80%RH	10~95%RH	10~95%RH
Power supply	2*1.5V AAA battery	2*1.5V AAA battery	2*1.5V AAA battery

Application



The intelligent and hand-held ultrasonic thickness gauge is controlled by a microprocessor, which can measure thickness and sound speed of various materials quickly, accurately and without damage by ultrasonic measurement. This instrument is capable of accurate measurement for different materials or parts in industrial production, as well as monitoring pipelines and pressure vessels of production equipment, and corrosion degree of various parts in use. It can also be widely used in manufacturing, metal processing, commodity inspection and other testing areas.

Function	WT100A	WT130A
High/low limit alarm	√	√
Data storage	√	√
Five screen colors can be selected	√	√
Probe can be selected	×	√
Color backlit screen	√	√
Two calibration modes (sound velocity calibration, basic calibration)	√	√

Specification	WT100A	WT130A
Measuring range	1.00~225.0mm	1.00~300.0mm
Data storage	500	1500
Probe selection	×	√
Operation frequency	5MHz	5MHz/2.5MHz
φ6 probe	×	√
φ10 probe	√	√
Measurement error	±(0.5%H+0.05)mm	
Resolution	0.01mm(1.00 to 99.99mm) 0.1mm(100 to 225mm)	0.01mm(1.00 to 99.99mm) 0.1mm(100 to 300mm)
Lower limit of pipe measurement	Φ20x3mm (steel)	
Adjustment range of sound speed	1000~9999m/s	
Temperature range of operation	0~40°C	
Battery	3 Ni-MH rechargeable batteries of 1.2V	
USB charging	5V 1A	
Dimensions	65x146x30mm	
Weight	130g	



(WT100A)

Application



(WT200A)



Battery bay



Probe



- WT210
- WT211



(WT130A)



Adapter



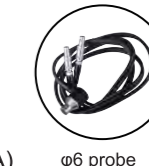
Calibration block



Coupling agent



USB cable



φ6 probe



φ10 probe