



Ultrasonic Thickness Gauge

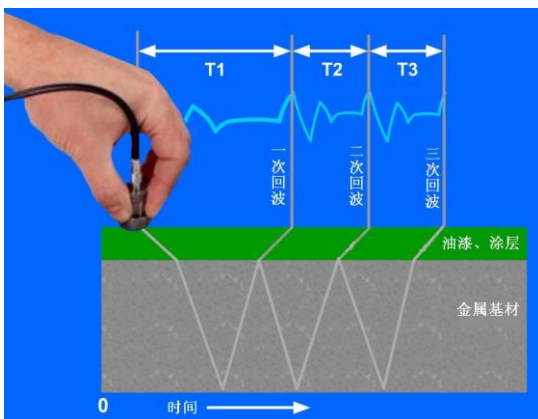
Upad X200

Ultrasonic Thickness Gauge Upad X200



Upad X200— Ultrasonic Thickness Gauge devote himself to accompany with you test the thickness of steel, cast steel, aluminum, plastic ,China glass, glass fiber and any other good conductors/materials of ultrasonic.

These series integrate two wonderful functions: U disk connection and Auto zeroing calibration in real time. U disk connection can help you save data conveniently and immediately while the auto zeroing calibration work principle solves the probe wearing problem and reduces error when you change probe.



The indicator of eliminating coating

OPERATION

- Inco Style Menu
- Showing different data modes
- Stroll Bars Indicates Function
- Free to change : Huge front and normal

FUNCTION

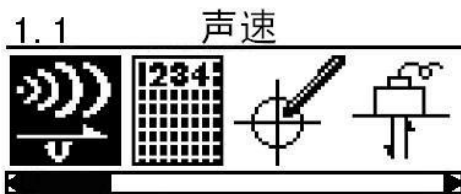
- USB for Storage, Plug and Play
- Covenient to read thickness values

No 0	MAX	10.00
Fil 0		
EE		10.00 mm
↑ 300.0	MIN	1.00
↓ 0.00		

Measuring Interface



Brief Interface



Menu

- **Statistic Function**

Online statistic :Max Min, Standard Configuration
Document Statistic : Max Min Average, mean square error

- **Probe Connection/Coupling Indicator**

OPERATION

- **Accuracy : 0.1/0.01mm or 0.01/0.001 inch resolution**

- **Extra-long standby time : 200 hours.**

performance index
Working principle Ultrasound (ultrasonic pulse echo / echo echo)
Detection range Normal mode : 0.75-400mm (Depending on the probe, the measured material and surface condition)
Resolution 0.1mm (> 100mm) / 0.01mm (< 100mm)
Indicator ± (0.5%H+0.01) mm
Velocity 1000~9999m/s, Preset 5 commonly used material velocity
Calibration Through the realization of real-time calibration probe zero unique automatic zero calibration technique
V range correction Auto
Probeconnection indicating Yes

Coupling condition Cue signal coupling intensity; measured value displayed solid / hollow change, visual indication of whether the normal measurement
Appearance size 165×82×30 mm
Weight 250g (Including battery)
Work environment Temperature: -20℃~70℃ Humidity: 5%~90% The environment without strong vibration, no strong magnetic field, non corrosivemedium and serious dust.
Measuring Range: Normal : 0.75~400mm
Excitation pulse 150V Negative spike
Receiving system
Gain High / low / automatic
Frequency bandwidth

0.5-15MHz
Display
LCD dot matrix display High contrast 128X64 Beatiful characters Number, Symbol, High Brightness EL Backlight
Refresh rate measurement Single point measurement of 5 times per second, 25 times / sec scan mode
Measured value / alarm
Measured value display 3 custom measurement display area, can choose online statistics or sound
Statistical data Online Statistics: maximum, minimum, standard deviation Document statistics: maximum / small value, mean, variance
Alarm Acousto optic alarm threshold
Storage
Data set 500 Sets

The thickness values	RS232/USB	Standard Package	
500sets/Group Linearity	Language	Host	1 Instructions 1
USB Storage	Chinese/ English	Probe	1 Packingbox 1
Connection USB is allowed, convenient to read thickness values	Unit mm/inch	Battery	1 couplant 1
Input and output	Power Source		
probeconnection LEMO	Battery 1.5V AAA x 4		
00 (C5) x2	Working time		
Communication	Can work continuously for 200 hours (standard test conditions)		

... Probe of Our Thickness Gauge

Model	Automatic zero	Measurement precision	USB	Penetrate the coating	Statistical function	Storage Capacity
Upad X100	V	0.1/0.01mm	X	X	Online statistics	100 Groups
Upad X200	V	0.1/0.01mm	V	X	Online statistics / data statistics	500 Groups
Upad X300	V	0.1/0.01mm	V	V	Online statistics / data statistics	1000 Groups

... Probe of Our Thickness Gauge

Application	Mode	Rate	Probe Diameter	Measuring range	Minimum diameter
Standard application	DA301S	5 MHz	10mm	0.75mm~400.0mm (Steel)	Φ20mm×3.0mm
Standard application	DA301S/90	5 MHz	10mm	0.75mm~400.0mm (Steel)	Φ20mm×3.0mm
Thick Wall	DA303S	2 MHz	22mm	3.0mm~300.0mm (Steel)	20mm
Thin wall	DA312S	7 MHz	6mm	0.75mm~80.0mm (Steel)	Φ15mm×2.0mm
High temperature	HT400S	5 MHz	14mm	3~200mm (Steel)	30mm
High attenuation	DA408S	2 MHz	22mm	40mm ↓ (Grey cast iron HT200)	20mm

... Commonly used material velocity

Material type		Sound velocity	
		inch/us	m/s
Aluminum	Aluminum	0.250	6340-6400
Steel, common	Steel, common	0.233	5920
Steel, stainless	Steel, stainless	0.226	5740
Brass	Brass	0.173	4399
Copper	Copper	0.186	4720
Iron	Iron	0.233	5930
Cast Iron	Cast Iron	0.173-0.229	4400-5820
Lead	Lead	0.094	2400
Silver	Silver	0.142	3607
Gold	Gold	0.128	3251
Titanium	Titanium	0.236	5990
Tin	Tin	0.117	2960
Nickel	Nickel	0.222	5639

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NDT expert

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Porcelain	Porcelain	0.230	5842
Rubber, vulcanized	Rubber, vulcanized	0.091	2311
Water	Water	0.058	1473

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