GALLERY

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HUATEC

Calibration Certificate

Product name: Ultrasonic Thickness Gauge

Model: TG-8812D

S/N: 62/02

HUATEC

ULTRASONIC THICKNESS GAUGE

TG-8812N/TG-8812C/TG-8812L/TG-8812D

Operating Manual

Certificate of conformity		HUATEC
Product name	Ultrasonic Thickness Gauge	Code: 62/02
Product model	TG-8812D	Date of delivery: 2017.8.14
Inspector:		

The product passed the test, factory general!
HUATEC Group Corporation www.huatecgroup.com

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PRODUCT DESCRIPTION

Penetration Coating Mode 2.5-25mm Through 2mm Coating UT Thickness Meter TG-8812D

1. Overview
Ultrasonic thickness gauge is a kind of high-precision thickness gauge which uses ultrasonic measurement principle, adopts high-speed processor and high integrated chip design to realize portable, nondestructive, fast and accurate measurement of thickness and sound velocity of various materials. It is suitable for measuring the thickness of various materials, such as steel, metal, glass, ABS, plastics, PVC, ductile iron, etc., which can be transmitted by ultrasonic wave at a constant speed in its back.

2. Instrument characteristics
- It is suitable for thickness measurement of various materials: various metals, glass, plastics and other materials;
- The instrument is exquisite and compact, with 2.3-inch color screen display, which is easy to carry, Suitable for on-site inspection

- Measurement mode: standard mode / ultra-thin mode (for High-precision large range type)
- Measurement mode: standard mode / Penetration coating mode (special for penetrating type)
- High measurement accuracy, wide measurement range, single probe full range
- English bilingual version
- Bluetooth interconnection data transmission function (applicable to TG-8812L and TG-8812D thickness gauge)
- Calibration: standard block calibration, sound velocity calibration, sound velocity can be calculated by known thickness
- Two kinds of manual shutdown and automatic shutdown, users can choose at will;
- Built in sound speed of 7 kinds of commonly used materials, which can be edited and convenient for users to use;
- Humanized data storage mode: mass storage, and can save data in groups, can store 10 groups of data, each group can save 200 data, and can store 2000 data
- Large capacity storage, view, delete operation, convenient and simple
- Multi probe selection use, high temperature environment measurement can be equipped with high temperature probe, high temperature resistance (300 ℃)

3. Technical index

MODEL	TG-8812N	TG-8812C	TG-8812L	TG-8812D
Measuring Range (Standard)	**0.9～300mm**	**0.75～400mm**	**0.55～500mm**	**0.75～500mm**
Standard mode	0.9～300mm Probe:5PΦ10mm	0.75～400mm Probe:5PΦ10mm	0.75～500m Probe:5PΦ10mm	0.75～500m Probe:5PΦ10mm
Ultra-thin mode	╱	╱	(0.55～1)mm	╱
Penetration mode (Echo-Echo)	╱	╱	╱	2.5-25mm(steel)
Microcrystal probe	1～50mm Probe:7.5PΦ6mm	0.75～100mm Probe:7.5PΦ6mm	0.75～100mm Probe:7.5PΦ6mm	0.75～100mm Probe:7.5PΦ6mm
High temperature probe	2～100mm (Probe:ZW5P)	1.5～100mm (Probe :ZW5P)	1.5～200mm (Probe:ZW5P)	1.5～200mm (Probe:ZW5P)

Display Resolution	0.1mm	0.01mm	0.01mm	0.01mm
Measurement Resolution	±(1%H+0.1)mm	±(1%H+0.1)mm	±(0.5%H+0.05)mm	±(0.5%H+0.05)mm
Material Velocity	1000～9999m/s		509～18699m/s	1000～9999m/s
Bandwidth	1MHz～10MHz(-3dB)			
Power Supply	4.5VDC (three AAA batteries)			
Screen	TFT Color screen 2.3 inch			
Size	130(L)×70(W)×25(H)mm			
Weight	125g (excluding batteries)			
Work Temperature	-10～＋50℃(with high temperature probe, up to 300℃)			
Work Humidity	20%～90%RH			