discory 迪斯凯瑞

海安迪斯凯瑞探测仪器有限公司

地址：江苏省海安市高新区谭港路 159 号　　邮编：226600
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DT800 Ultrasonic Thickness Gaug

Application Scope： It can measure the thickness of metal materials, pipes, pressure vessels, plates (steel plates, aluminum plates), plastics, iron pipes, PVC pipes, glass, and other special materials; it can also measure materials with coatings such as paint layers on the surface of the workpiece; it is widely used in the production industry, metal processing industry, chemical industry, commercial inspection industry, and other testing fields.

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Main Functions

1. Simple and easy to operate parameter configuration interface

2. Adjustable real-time A-scan, adjustable gain, gate, fade, range, panning, and other parameters

3. Real-time B-scan function, displaying the profile of the workpiece, for observing the bottom profile of the measured workpiece

4、. Numerical view, with large numbers to display the thickness value

5、. Thickness alarm: Thickness limit can be set, and the measurement value outside the limit is automatically alarmed

6、. Most value mode: capture the maximum and minimum values in the measurement process

7. Difference mode: obtain the difference between the current thickness measurement value and the nominal thickness and the percentage of the difference, and the nominal thickness

8. Support two thickness units of millimeter and inch

9. User-selectable measurement resolution X.XX and X.X in the metric system, X.XXX and X.XX in the imperial system

10、. User-selectable waveform style: profile line or fill

11. User-selectable rectification modes: RF, inverted RF,

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full-wave full wave, negative half wave, positive half-wave half wave

12. Multi-language interface selectable

13. Standby time: ultra-long standby, up to 35 hours

14. Allowing inspection and through coating.

15. Allowing to connect web app

Technical parameters

Display	2.4QVGA(320x240)} color OLED screen, contrast ratio 10000:1
Working Principle	Ultrasonic pulse/echo method using double crystal probe
Standard mode measurement range	0.5 to 508mm (0.025 to 20.00 inches)
Coating mode measuring range	3-45mm Depends on the probe used, material, surface condition, and temperature
Measurement	0.01 or 0.1mm (0.001 or 0.01in)

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resolution	
Measurement error	+0.05 (under 10mm), ±(0.5%H+0.01) (over 10mm)
Unit	Millimeter or inch
Display mode	A-scan mode, B-scan mode, thickness value mode, min/max capture mode, difference/scaling rate mode
V-path correction	Automatic V-path correction, Compensation nonlinearity.
Measurement update rate	4HZ, 8HZ, 16HZ per second optional
Material Speed of sound Range	500-9999m/s, 0.0179-0.3937in/us
Working Language	Chinese / English / French / German / Japanese (optional)
Alarm setting	Maximum/minimum value alarm, dynamic change of thickness reading color when the alarm
Power supply	Two 1.5V AA batteries
Operation time	Two AA batteries, use time more than 35 hours
Instrument shutdown	Optional automatic shutdown after 5, 10, 20 minutes of no operation, or manual shutdown only
Operating temperature	-10 to +50℃
Dimension	153mm×76mm×37mm (H×W×D)
Weight	With battery 280g

Optional Probes

Model	PT-04	PT-06	PT-08	PT-12	ZT-12	TC510	GT-12
Type	Micro Probes	Small Diameter Probes	General probe	General probe	Cast Iron Probes	Probes for penetrating coatings	High-Temperature Probes
Physical picture							

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