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Thickness gauge for coating and clad layer

The electro-magnetic induction principle is used to measure thickness of non magnetic coating and galvanization layer (such as paint) on magnetic conductive metal substrate (such as iron). The principle of eddy current effect is used to measure thickness of non conductive coating (such as paint) on non-magnetic conductive metal substrate (such as aluminum).

Specification

Performance	
Measurement mode	single and continui
Unit	um, mm
Range	0～1300um
Resolution	1um (0～999um); 0.01mm (≧1000um)
Accuracy	±3%+ 2um (0～1300um)
Auto power off	3 min (no key operation)
Working condition	
Power supply	two 1.5V AAA batteries
Operating temperature	0～45℃ (no condensation and no strong magnetic field)
Operation humidity	0～90%RH non-condensing
Storage temperature	-10~50℃(14~122℉)
Storage humidity	0～90%RH non-condensing
Requirements for substrate	
Substrate thickness	＞0.5mm
Curvature radius of convex surface	＞1.5mm
Curvature radius of concave surface	＞25mm
Measurement area diameter:	＞6mm
Others	
Display	LCD display with back light
Size	112mm × 51mm × 28mm
Weight	80g(battery not included)
Accessories	
One piece of standard aluminum substrate	
One piece of standard iron substrate	
Standard foil: one piece of 50um, 100um, 250um, 500um,1000um respectively.	
Two 1.5V AAA batteries	
USB data line	
Instruction for use	

HT-128

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Curvature radius of convex surface	＞1.5mm
Curvature radius of concave surface	＞25mm
Measurement area diameter:	＞6mm
Others	
Display	LCD display with back light(color screen)
Size	
Weight	
Accessories	
One piece of standard aluminum substrate	
One piece of standard iron substrate	
Standard foil: one piece of 50um, 100um, 250um, 500um,1000um respectively.	
Two 1.5V AAA batteries	
USB data line	
Instruction for use	

HT-129