

Coating Thickness Gauge TG8832FN, film thickness gauge, paint thickness gauge



Product Details:

Place of Origin:	Beijing
Brand Name:	HUATEC
Certification:	CE. OSP. GOST
Model Number:	TG8832FN
Printer:	included
Data software:	included

Payment & Shipping Terms:

Minimum Order Quantity:	1pc
Price:	around 500usd
Packaging Details:	carton
Delivery Time:	3 days
Payment Terms:	T/T western, paypal
Supply Ability:	300pcs per month

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Detailed Product Description

Coating Thickness Gauge TG8832FN (film thickness gauge, paint thickness gauge) TG8832FN digital coating thickness gauge is using the magnetism and backset measuring thickness method. It can measure the thickness of the magnetism metal substrate (such as steel, iron, alloy and rigid magnetism steel and etc), non-magnetism cover layer (such as aluminium, chrome, copper, enamel, rubber, oil paint and etc) and non-magnetism metal substrate (such as copper, aluminium, zinc, tin and etc) and non-transmitting electricity cover layer (such as enamel, rubber, oil paint, plastic and etc). This instrument has small error of measure, excellent performance and good stability, easy operation and other characteristics, is a necessary measure instrument to control and guarantee the product quality, can be widely applied to manufacturing, metal processing industry, chemical industry, merchandise test fields.

Features

- Precise measurements (2%+1)/(1%+1)
- Quick measuring response and rapid measuring speed
- Design of two independent parts , better applicability, stable measurement results
- Strong data processing and analysis :5 types of Statistic value and histogram
- 7 types of probes are available(F400, F1, F1/90°, N400, F10, N1, CN02), suitable to requirements of different customers
- CTG Insight data processing platform , enable analysis and management of data

Technical Specification

Measuring range	F400 :0~400μm N400:0~400μm F1:0~1250μm F1/90:0~1250μm N1:0~1250μm F10:0~10000μm CN02:10~200μm
Measuring accuracy	F400, N400 1 point calibration:±(2%+0.7) 2 point calibration:±(1%+ 7) F1, F1/90, N1, CN02 1 point calibration:±(2%+1) 2 point calibration:±(1%+1) F10 1 point calibration:±(2%+10) 2 point calibration:±(1%+10)
Calibration	1 point calibration / 2 point calibration / basic calibration
Display resolution	0.1um (0~99.9um) / 1um (Over 100um)
Weight	250g(including battery package)
Operation environment	Temperature: 0°C~50°C humidity: 20%RH~90%RH
Operation mode	Direct testing mode and block statistics mode
Measuring mode	continuous/single
Shutdown mode	manual/automatic
Operation alarm	Ring music to alarm mistake

Signal Dealing

Threshold	Limits setting and automatically alarm measured values out of limit
Data analysis	Analyzing a batch of measuring values via histogram
Statistic function	Mean/ Standard deviation / Number of measurements/ Maximum/ Minimum

Data Memory

Thickness values	500 measuring data
Delete	Single doubtful data / All data of one group

Input/Output

Print	measured values, statistic values, limit values and histogram
Communication	RS232/USB

Power supply

Battery	9V Nickel-hydride/alkaline batteries
Power battery inspection	low voltage indication

Standard delivery

Main unit	1
Integrated probe ((N1orF1)	1
Calibration foil set	4
Calibration base set	1
9V alkaline battery	1
Instruction manual	1
Printer RD-E32-SN	1
Software CTG Insight	1

Optional accessories										
probe		F400		F1	F1/90°	F10	N400		N1	CN02
Probe model		F400		F1	F1/90°	F10	N400		N1	CN02
Working principle		magnetic induction					induced eddy current			
Measuring range(mm)		0~400		0~1250		0~10000		0~400		10~200
								0~1250 (chromeplating upon copper base set 0~40)		
Resolution (mm)		0.1		0.1		10		0.1		1
Tolerance	1point calibration (mm)	±(3%H+0.7)		±(3%H+1)		±(3%H+10)		±(3%H+0.7)		±(3%H+1.5)
	2point calibration (mm)	±(1%H+0.7)		±((1%H+1)		±(1%H+10)		±(1%H+0.7)		±(1%H+1.5)
Measuring condition	Min curvature radius (mm)	convex	1	1.5	flat	10		convex	1.5	3
	Min measure area(mm)	F3		F7		F4		F4		F5
	Critical substrate thickness(mm)	0.2		0.5		2		0.3		0.3
								0.3		No limit

Available probes reference table (1)

Cover Layer		non-metal cover layer of organic material (such as enamel, paint, oil paint, plastic ,anodizing and etc)	
		Thickness of cover layer < 100μm	thickness of cover layer >100μm
Magnetism metal ((such as steel, iron and etc)	diameter of measure area >30mm	F400 0~400μm F1 0~1250μm	F400 0~400μm F1 0~1250μm F10 0~10mm
	Diameter of measure area <30mm	F400 0~400μm	F1 0~1250μm F400 0~400μm
Non-ferrous metal (such as aluminium, copper, zinc, tin and etc)	Diameter of measure area >10mm	N400 0~400μm N1 0~1250μm	N400 0~400μm N1 0~10mm
	Diameter of measure area <10mm	N400 0~400μm	N1 0~1250μm N400 0~400μm

Available probes reference table (2)

Cover Layer		Non-magnetism non-ferrous metal cover layer (such as chrome, copper, aluminium , zinc, tin ,silver and etc)	
		thickness of cover layer < 100μm	thickness of cover layer >100μm
Magnetism metal (such as steel, iron etc)	Diameter of measure area >30mm	F400 0~400μm F1 0~1250μm	F400 0~400μm F1 0~1250μm F10 0~10mm
	Diameter of measure area <30mm	F400 0~400μm	F400 0~400μm F1 0~1250μm
Non-ferrous metal (such as aluminum, copper, zinc, tin and etc)	Diameter of measure area >10mm	(chromeplating upon copper base set) N400 0~40μm	-----
	Diameter of measure area <10mm	-----	-----
Non-metal base set (plastic, printed circuire board)	Diameter of measure area >7mm	CN02 10~200μm	CN02 10~200μm