پتروفرهان گسترجنوب

Features

- Two operation principles are adapted: magnetic induction (ferrous) and eddy current (non-ferrous) to take non-destructive measurements
- 6 types of probes are available for different applications
- Features two working modes: DIRECT and BATCH& two measuring ways: CONTINUE and SINGLE
- Statistics include the mean, maximum, minimum, test numbers and standard deviation.
- Memory of 500 data
- Two calibration methods for better correction
- Integrated with printer to print the statists values if needed
- Low battery indication and error alarm
- Backlight for the screen
- Auto or manual shutdown
- Conform to the standards of DIN, ISO, ASTMBS.

Probe types		F	N
Measuring methods		magnetic induction	eddy current
Measuring range		0 ~1250 μm	0 ~1250 μm, 0 to 40μm(for chrome plate on copper)
Minimum resolution		0.1μm	
Tolerance	Zero point calibration	±(3%H+1)μm	± (3%H+1.5)μm
		H means the thickness of tested piece	
	Two points calibration	±[(1~3)%H+1]μm	±[(1~3)%H+1.5]μm
		H means the thickness of tested piece	
Measuring condition	Min. curvature radius (mm)	Convexity 1.5	Convexity 3
	Min. testing area diameter (mm)	Ø7	Ø5

	Critical thickness of substrate(mm)	0.5	0.3
Standards	DIN,ISO,ASTM,BS		
Calibration	Zero and foil calibration		
Interface	USB2.0		
Statistic	Number of measurement, mean,standarddeviation, maximum and minimum		
Data memory	500 readings		
Limits	Adjustable with alarm		
Power	Li rechargeable battery		
Operating environment	Temperature: 0~40℃		
	Humidity: 20%~90%		
	No strong magnetic field		
Dimensions (mm)	215×84×42		

Optional Probes and Application Guide

Probe model		F400	F1	F1/90°	F10	N1	F5
Operatingprinciple		Magnetic induction				Eddy current	
Measuring range (μm)		0-400	0-1250		0-10000	0 to 1250 μm 0 to 40μm (for chrome plate on copper)	0-1250
Low range resolution (μm)		0.1	0.1		10	0.1	0.1
Accuracy	One-pointcalibration (μm)	±(3%H+1)			±(3%H+10)	±(3%H+1.5)	±(3%H+1)
	Two-pointcalibration (μm)	±[(1~3)H%+0.7]	±[(1~3)H%+1]		±[(1~3)%H+10]	±[(1~3)%H+1.5]	-
Measuring conditions	Min curvature of the min area (mm)	Convex 1	1.5	Flatten	10	3	Angle

	Diameter of the min area (mm)	φ3	φ7	φ7	φ40	φ5	φ7
	Critical thickness of substrate (mm)	0.2	0.5	0.5	2	0.3	0.5