YUWESE

EC-770

Coating Thickness Gauge

- Easy Menu Operations
- So Easy Multi-Point Calibration
- 128*128 Dot Matrix LCD Display
- Readings Can Be Stored and Recalled
- Two Years Warranty

Yuwese Sensor System Co., Ltd. **W**: www.yuwese.com **T**: +86 755 85270752 **E**: sales@yuwese.com

EC-770
Coating Thickness Gauge

YUWESE

INTRODUCTIONS

This compact gauge can be used for non-destructive coating thickness measurement of non-magnetic coatings, e.g. paint, enamel, chrome on steel, and insulating coatings, e.g. paint and anodizing coatings on non-ferrous metals.
The internal probe can work on both principles, magnetic induction and the eddy currents. The probe can automatically detect the substrates type(Magnetic or not), and calculate the coating thickness and display it fast.
There are five data groups, and readings will be automatically storaged to memory for general groups(Not for direct group). Each group have individual statistics, alarm limit settings and calibration.
User can recall and delete specified readings easily.
User do all operations via standard menu so easily. User can press the CAL button to start multi-point calibration freely.

APPLICATIONS

- Automobile
- Paint shops and electroplaters
- Surface engineering
- Ship building and aircraft industries

KEY FEATURES

- Easy Menu Operations
- So Easy Multi-Point Calibration
- 128*128 Dot Matrix LCD Display
- Readings Can Be Stored, Recalled and Deleted
- Two Years Warranty

ORDER INFORMATION

Standard kit include: EC-770 , substrate , standard foil , USB cable , manual, two 1.5V AAA battery.
Part #: EC-770

SPECIFICATIONS

	Probe F	ProbeN
Measuring principle	Magnetic induction	Eddy Currents
Measuring range	0 to 1300um (0 to 51.18mils)	0 to 1300um (0 to 51.18mils)
Accuracy (with zero calibration)	± (3%+2um)	± (3%+2um)
Resolution	0um~99.9um(0.1um) 100um~999um(1um) 1000um~1300um(0.01mm)	0um~99.9um(0.1um) 100um~999um(1um) 1000um~1300um(0.01mm)
Calibration	One point to four point calibration, zero point calibration	
Data group	One direct group(readings not be stored to memory) Four general group(readings will be stored automatically) NOTE: each group have individual statistics, alarm limit settings and Multi-point calibration	
Statistics	No. of readings, mean, minimum, maximum and standard deviation	
Units	um , mm, mils	
Alarm	User can set the high/low alarm limit Alarm icon displayed on LCD when over the limit	
Minimum curvature radius convex	1.5mm	
Minimum curvature radius concave	25mm	
Minimum measuring area	Diameter 5mm	
Minimum thickness of substrate	0.5mm(0.02")	0.3mm(0.012")
Maximum measuring rate	Two readings per second	
Computer interface	Download data via USB;	
Power supply	Two 1.5V AAA battery	
Operation environment	Temperature: 0 to 40℃(32 to 104℉) ; humidity: 20% to90%rh	
Storage environment	Temperature: -20 to 70℃(-4 to 158℉)	
Standard Compliance	ROHS CE WEEE	
Size	110mm×53mm×24mm(4.33"×2.09"×0.94")	
Case Material and weight	ABS; 84g(2.96oz)	

RoHS