YOWEXA

COATING THICKNESS GAUGES

CATALOGUE 2022

PICTURE ALBUM OF COATING THICKNESS GAUGE

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YOWEXA

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ABOUT US

YOWEXA was established in 2010 and is a high-tech enterprise focusing on the R&D, manufacturing, export, and after-sales service solutions of precision measuring instruments and sensors.

It has ISO 9001 certification, a production area of 1,500 square meters, more than 30 R&D personnel, and dozens of patents.

Our main products are coating thickness gauge, disposable PDF temperature data logger, temperature and humidity data logger, air quality and environment meter, professional data logger, thermometer, and so on. Most of them passed FCC, CE, ROHS, Reach, DO-160G, EN12830, FDA 21CFR11, ASTM, DIN, ISO, BS, etc.

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Products are widely used in automotive testing, cold chain transportation of medicine and food, storage, bioengineering, pharmaceutical and food industry, equipment manufacturing, surface treatment, scientific research institutions and laboratories, HVAC, IoT, environmental health, ultra-clean space, hospitals, homes, schools, and other fields.

The sensor technologies we are involved in include thickness, temperature, humidity, carbon dioxide, TVOC, formaldehyde, haze, pressure, and process signals. At the same time, Bluetooth, WIFI, GSM, GPRS, Lora, NB, cloud services, and other IoT technologies are innovatively and economically integrated into our products, bringing customers a highly intelligent technological experience.

Based on high precision, competitive cost-effectiveness, on-time delivery, and good after-sales service, we have won a good reputation from our clients. Contact us and welcome ODM & OEM requirements.

SINCERELY HOPE THAT
WE COULD COOPERATE WITH YOU IN THE FUTURE

THANKS

ENVIRONMENTAL INSTRUMENT

CONTENTS

Multilingual
Coating Thickness Gauge *-New Arrival-*

EC-370 / EC-370X

EC-370 series thickness gauge has a built-in magnetic induction and eddy current effect integrated probe. Its resolution is up to 0.1μm, and the measuring range is 0~2000μm. EC-370X has enhanced low temperature working performance up to -50°C.

- Ruby probe
- Data statistics and viewing
- Support continuous measurement
- Zero calibration function
- Recognition of iron-galvanized substrate
- Response time is less than 0.5 seconds
- Indicator light
- Manually rotate the screen
- A variety of shell colors are available
- Automatic shut-down
- Battery protection

EC-370
Device with internal probe, manual, 2 batteries, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100244

EC-370X
Device with internal probe, manual, 2 batteries, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100263

Model	EC-370	EC-370X
Probe type	Internal	
Measuring principle	Fe: Magnetic induction; NFe: eddy currents	
Measuring range	0~2000μm	
Accuracy	±(3%+1μm)	±(3%+2μm)
Resolution	0.1μm(0~100μm); 1μm(>100μm)	
Unit	μm, mm, mil	
Galvanized iron identification range	3~500μm	
User calibration method	Zero calibration	
Statistics	Maximum, minimum, average, number of measured values	
USB data transfer	Supported	
Storage capacity	200 measurement data	
Probe triggering force	0.5~1.2N	
The minimum radius of curvature of the substrate	Convex surface 5mm; Concave surface 25mm	
Minimum measuring area	15mm in diameter	
Minimum thickness of substrate	Fe: 0.30mm; NFe: 0.05mm	
Maximum measuring speed	2 readings/sec	
Display	Dot-matrix LCD screen	Dot-matrix OLED screen
Operating environment	-10~50°C	-40~50°C
Storage environment	-20~60°C	-50~60°C
Power supply	2 pcs AAA 1.5V alkaline batteries; 2 pcs AAA 1.2V rechargeable batteries	
Protection class	IP40	
Size	134mmX44mmX27mm	
Case material	ABS	
Weight	About 71g (without batteries)	

Handy Gun Type
Coating Thickness Gauge *-New Arrival-*

EC-420

This coating thickness gauge has a built-in magnetic induction and eddy current integrated probe, supporting 0~1500μm measurement range, ±(3%+1μm) accuracy and 0.1μm resolution.

- Integrated probe of magnetic induction and eddy current
- Up to 0.1μm resolution
- Up to ±(3%+1μm)accuracy
- Up to 0~1500μm measurement range
- Easy to do zero calibration
- LCD shows maximum, minimum, average and number
- Support Continuous measurement
- Up to 2 times/s measurement speed
- LCD display with backlight
- Power off automatically

EC-420
Device with internal probe, manual, 2 batteries, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100181

Model	EC-420	
Probe	Probe F	Probe N
Measuring principle	Magnetic Induction	Eddy currents
Measuring range	0~1500μm	
Accuracy	±(3%+1μm)	
Resolution	0.1μm(0~100μm);1μm(>100μm)	
Calibration mode	Zero calibration	
Statistics	No. of readings, mean, minimum, maximum	
Units	μm, mm, mils	
Minimum radius of curvature of substrate	Convex 5 mm; Concave 25 mm	
Minimum measured area	Diameter 20mm	
Minimum thickness of substrate	0.30mm	0.05mm
Maximum measuring speed	2 times / second	
Display	Segment code LCD screen with backlight	
Operation buttons	Power (Backlight), unit switching and clearing data (Left), statistics and zero calibration (Right)	
Operation temperature	Temperature:-10°C~50°C;Humidity:20%RH~90%RH(Non-condensation)	
Storage temperature	Temperature:-10°C~60°C;Humidity:20%RH~90%RH(Non-condensation)	
Power supply	9V square battery	
Protection class	IP40	
Size	143mmX85mmX39mm	
Material	ABS	
Weight	About 100g(No battery)	
Warranty	12 months	

Four Directions Auto Rotate Screen Coating Thickness Gauge *-New Arrival-*

EC-470

This thickness gauge can non-destructively measure the thickness of non-conductive coatings on metal surfaces and non-ferromagnetic metal coatings on ferromagnetic metal surfaces. Its screen can automatically rotate in four directions.

- Ruby probe
- Resolution up to 0.1μm
- Accuracy ±(3%+1μm)
- Measuring range 0~2000μm
- Statistic analysis of data
- Users calibration supported
- Maximum measurement speed 2 readings / sec
- Auto-rotate screen
- Display with backlight
- Power off automatically
- Battery protection

EC-470
Device with internal probe, manual, 2 batteries, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100220

Model	EC-470
Probe type	Internal probe
Measuring principle	Fe:Magnetic induction; NFe:Eddy currents
Measuring range	0~2000μm
Accuracy	±(3%+1μm)
Resolution	0.1μm(0~100μm); 1μm(>100μm)
Unit	μm, mm, mil
Calibration	Zero calibration
Statistic	Number of readings, Max, Min,Mean
Probe trigger force	0.3~0.8N
Minimum curvature radius	Convex 5mm;Concave 25mm
Minimum measuring area	Diameter 15mm
Minimum thickness of substrate	Fe:0.30mm; NFe:0.05mm
Maximum measuring rate	2 readings / s
Display	Dot matrix display
Operation environment	Temperature:-10~50°C; Humidity:20~90%RH (Non-condensing)
Storage environment	Temperature:-20~60°C; Humidity:20~90%RH (Non-condensing)
Power supply	2 pcs 1.5V AAA alkaline batteries 2 pcs 1.2V AAA rechargeable batteries
Protection class	IP40
Size	102mmX53.6mmX25mm
Case material	ABS
Weight	About 80g (No battery)
Standards / Certificates	CE,ROHS,ISO 2178,2360,GB/T 4956-2003,4957-2003,JJG-818-2005

2 inch Color Screen Coating Thickness Gauge

EC-555 / EC-555S / EC-555SE

EC-555 series coating thickness gauge is applied to measure the thickness of non-conductive coatings on metal surfaces non-destructively, as well as the thickness of non-ferromagnetic metal coatings on ferromagnetic metals (such as iron, nickel and cobalt). Specific applications are including the measuring of the thickness of iron, stainless steel surface paint or galvanized coating, aluminum, copper surface paint or plastic film, etc.

- Double principles in one, ruby probe
- 2 inch color screen
- With Bluetooth and mobile APP function
- Car or general mode
- Resolution is up to 0.1μm
- Accuracy of ±(2%+1μm) (EC-555S / SE)
- Measuring range is 0~2000μm
- Statistical analysis of data
- Standardized menu interface
- Display a curve, bar chart or trend chart
- Record data and transfer to PC
- Support zero calibration and multi-point calibration
- External probe optional (EC-555SE)
- Maximum measuring rate : 2 readings / s
- Auto rotation
- Backlight adjustable
- Sound volume adjustable
- Auto shut-down
- Low battery protection

EC-555

Device with internal F/N probe,CD, manual, 3 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100003 (FN2.0)

EC-555S

Device with internal F/N probe,CD, manual, 3 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100002 (FN2.0)

EC-555SE

Device with separated F/N probe, CD, manual, 3 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100009 (FN2.0)

Model	EC-555	EC-555S	EC-555SE
Probe type	Internal probe		External separated probe
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents		
Measuring range	0~2000μm		
Accuracy	±(3%+1μm)	±(2%+1μm)	±(2%+1μm)
Resolution	0.1μm(0~100μm) ; 1μm(>100μm)		
Unit	μm, mm, mils, inch		
Calibration	Zero calibration ; Multi-point calibration		
Statistic	Number of data, maximum, minimum, mean, sample standard deviation, coefficient of variation, number below limit, number above limit		
Chart	Curve, bar chart or trend chart		
Readings memory	10X13X10 measurement data		
Probe trigger mode	Mechanical trigger, trigger force: 0.4~0.8N		
Minimum curvature radius	Convex 5mm ; Concave 25mm		
Minimum measuring area	Diameter 15mm		
Minimum thickness of substrate	Fe: 0.30mm NFe: 0.05mm	Fe: 0.20mm NFe: 0.03mm	Fe: 0.20mm NFe: 0.03mm
Maximum measuring rate	2 readings / s		
Display	2 inch color screen		
Bluetooth & APP	Support		
Operation environment	Temperature: -10~50°C; Humidity: 20~90%RH (Non-condensing)		
Storage environment	Temperature: -20~60°C ; Humidity: 20~90%RH (Non-condensing)		
Power supply	3 pcs 1.5V AAA alkaline batteries ; 3 pcs 1.2V AAA rechargeable batteries		
Protection class	IP40		
Size	133mmX68mmX30mm	Housing: 133mmX68mmX30mm ; Cable: Φ3.5X1000mm Probe: Φ17X67mm	
Case material	ABS	Housing: ABS ; Probe: stainless steel	
Weight	About 90g (No battery)	About 145g (No battery)	
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003, JJG-818-2005		
Warranty	12 months		

Bluetooth & APP One Button Coating Thickness Gauge

EC-600 / EC-600S / EC-600X / EC-600SE

The coating thickness gauge can measure the thickness of non-ferrous metal coatings and non-magnetic insulating coatings on ferromagnetic metals (such as iron, nickel and cobalt, etc.) They are mainly used for non-destructive thickness measurement for the coatings of iron, paint or zinc on stainless steel, paint or plastic foil on aluminum and copper, etc.

- Two in one principle combined (magnetic induction and eddy currents), ruby probe
- With Bluetooth and mobile APP function (EC-600S / SE)
- Record data and transfer to PC
- Resolution is up to 0.1μm
- Accuracy ±(2%+1μm) (EC-600S / SE)
- Measuring range 0~2000μm
- Can recall 10 measuring data
- One button control, easy to use
- Zero calibration
- External probe optional (EC-600SE)
- Maximum measuring rate : 2 readings / s
- Dot matrix LCD display
- Auto backlight
- Auto shut down
- Low battery protection

EC-600
Device with internal F/N probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100010 (FN2.0)

EC-600S
Device with internal F/N probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100131 (FN2.0)

EC-600X
Device with internal F/N probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100133

EC-600SE
Device with separated F/N probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100006 (FN2.0)

Model	EC-600	EC-600S	EC-600X	EC-600SE
Probe type	Internal probe	Internal probe	Internal probe	External separated probe
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents			
Measuring range	0~2000μm			
Accuracy	±(3%+1μm)	±(2%+1μm)	±(2.5%+2μm)	±(2%+1μm)
Resolution	0.1μm(0~100μm) ; 1μm(>100μm)			
Unit	μm, mm, mils			
Calibration	Zero calibration			
Readings memory	10X13X10 measurement data			
Probe trigger mode	Mechanical trigger, trigger force: 0.5~1.2N			
Minimum curvature radius	Convex 5mm / Concave 25mm			
Minimum measuring area	Diameter 15mm			
Minimum thickness of substrate	Fe: 0.30mm NFe: 0.05mm	Fe: 0.20mm NFe: 0.03mm	Fe: 0.30mm NFe: 0.05mm	Fe: 0.20mm NFe: 0.03mm
Maximum measuring rate	2 readings / s			
Display	128X48 dot matrix LCD display, with backlight			
Bluetooth & APP	N	Y	N	Y
Operation environment	Temperature: -10~50°C ; Humidity: 20~90%RH (Non-condensing)		Temperature: -40~50°C ; Humidity: 20~90%RH (Non-condensing)	Temperature: -10~50°C ; Humidity: 20~90%RH (Non-condensing)
Storage environment	Temperature: -20~60°C ; Humidity: 20~90%RH (Non-condensing)		Temperature: -50~60°C ; Humidity: 20~90%RH (Non-condensing)	Temperature: -20~60°C ; Humidity: 20~90%RH (Non-condensing)
Power supply	Two pcs 1.5V AAA alkaline batteries ; Two pcs 1.2V AAA rechargeable batteries			
Protection class	IP40			
Size	103mmX62mmX27mm		Housing: 103mmX62mmX27mm ; Cable:Φ3.5X1000mm Probe: Φ17X67mm	
Case material	ABS	ABS	ABS	Housing: ABS ; Probe: Stainless Steel
Weight	About 57g (No battery)		About 62g(No including battery)	About 112g (No battery)
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003, JJG-818-2005			
Warranty	12 months			

2.4 inch Color Screen Coating Thickness Gauge with Bluetooth & APP Function

EC-777 / EC-777E

The coating thickness gauge can nondestructive measure the thickness of non-conductive coatings on metal surfaces and non-ferromagnetic metal coatings on ferromagnetic metals (e.g. iron, nickel, cobalt, etc.), including measuring the thickness of iron, stainless steel surface paint or galvanized layer, measuring the thickness of aluminum,copper surface paint or plastic film.

- Double principles in one, ruby probe
- 2.4 inch color screen
- With Bluetooth and APP function
- Car or general mode
- High resolution 0.1μm
- High accuracy ±(2%+1μm)
- Measuring range is 0~2000μm (other ranges can be customized)
- Statistic analysis of data
- Standardized menu interface
- Display a curve, bar chart or trend chart
- USB to computer
- Support zero calibration and multi-point calibration
- External probe is optional (EC-777E)
- Maximum measuring rate : 2 readings / s
- Backlight Adjustable
- Automatic rotation
- Sound volume adjustable
- Red LED alarm, blue and green LED status reminder
- Auto shut down
- Low battery protection

EC-777

Device with internal probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100004 (FN2.0)

EC-777E

Device with separated probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100007 (FN2.0)

Model	EC-777	EC-777E
Probe type	Internal probe	Separated probe
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents	
Measuring range	0~2000μm	
Accuracy	±(2%+1μm)	
Resolution	0.1μm(0~100μm) ; 1μm(>100μm)	
Unit	μm, mm, mils, inch	
Calibration	Zero calibration and multi - point calibration	
Statistic	Number of readings, Max, Min, Mean, sample standard deviation, coefficient of variation, number below limit, number above limit	
Chart	Curve, bar chart or trend chart	
Readings memory	10X13X10 measurement data	
Probe trigger mode	Mechanical trigger, trigger force: 0.4~0.8N	
Minimum curvature radius	Convex 5mm ; Concave 25mm	
Minimum measuring area	Diameter 15mm	
Minimum thickness of substrate	Fe: 0.20mm ; NFe: 0.03mm	
Maximum measuring rate	2 readings / s	
Display	2.4 inch color screen	
Bluetooth & APP	Support	
Operation environment	Temperature: -10~50°C; Humidity: 20~90%RH (Non-condensing)	
Storage environment	Temperature: -20~60°C ; Humidity: 20~90%RH (Non-condensing)	
Power supply	2 pcs 1.5V AA alkaline batteries ; 2 pcs 1.2V AA rechargeable batteries	
Protection class	IP40	
Size	146X76X32mm	Housing: 146X76X32mm ; Wire: Φ3.5X1000mm Probe: Φ17X67mm
Case material	ABS	Housing: ABS ; Probe: stainless steel
Weight	About 137g (No battery)	Housing: about 137g (No battery) Probe: about 63g
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003, JJG-818-2005	
Warranty	12 months	

Professional
High Accuracy Coating Thickness Gauge

EC-770 / EC-770SE / EC-770S

The coating thickness 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.

- High accuracy and stability
- 128X128 dot matrix LCD display and menu interface
- LCD can be rotated to be used easily
- LCD shows mean, maximum, minimum and standard deviation
- User can set alarm limit and red backlight indication
- Readings can be stored, recalled and deleted
- Easy to do zero calibration and support multi-point calibration
- Connect with PC via USB and download readings
- Multiple languages supported
- Up to 5 measurement groups supported
- Automatically detect the substrates type (F or N)

EC-770 / EC-770SE / EC-770S

- 0~2000μm
- Internal probe
- Red backlight indication when alarm happen
- LCD rotated 180°

Specifications	EC-770	EC-770SE (With external probe)	EC-770S
Measuring principle		Fe: Magnetic induction NFe: Eddy currents	
Measuring range		0~2000um	
Accuracy	±(2.5%+1μm)	±(2%+1μm)	±(2%+1μm)
Resolution		0.1μm(0~99.9μm), 1μm(≥100μm)	
Power supply		Two 1.5V AAA batteries	
Readings memory		320 readings for EC-770, 2000 readings for EC-770S / EC-770SE	
Unit		μm, mm, mils	
Size / Weight / Case material		114mmX53mmX25mm / 80g / ABS	
Standards / Certificates		CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003	
Storage environment		Temperature: -20~60°C	
Operation environment		Temperature: -20~60°C	

EC-770

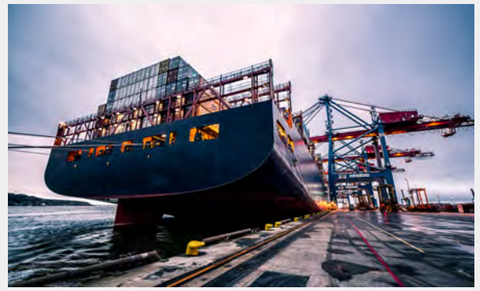
Device with internal F/N probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100062

EC-770SE

Device with external F/N probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100019 (FN2.0)

EC-770S

Device with internal F/N probe,CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100065



Wide Measuring Range Coating Thickness Gauge with Separated Probe

EC-900 / EC-910

The measuring range of this coating thickness gauge is up to 5000um. It is used for non-destructive coating thickness measurement of non-magnetic coatings on steel and insulating coatings on non-ferrous metals. It is with separated external probe and can be replaced easily.

- High accuracy and stability, wide measuring range
- With separated probe and can be replaced easily
- 128X128 dot matrix LCD display and menu interface
- LCD shows mean, maximum, minimum and standard deviation
- User can set alarm limit and red backlight indication
- Readings can be stored, recalled and deleted
- Easy to do zero calibration and multi-point calibration supported
- Connect with PC via USB to download readings
- Multiple languages supported
- Up to 5 measurement groups supported
- Detect the type of substrates automatically

EC-900 / EC-910

- Up to 10000μm range (EC-910)
- Separated probe

EC-900
Device with optional separated probe,CD, manual,
3 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100029(separated probe F5.0 N3.0)

EC-910
Device with separated probe, CD, manual, 3 batteries,
USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100018

Specifications	EC-900	EC-910
Measuring principle	Magnetic induction(F), Eddy current(N)	Fe: Magnetic induction
Measuring range	Decided by probe	10000μm
Accuracy	±(2%+1μm)	±(1%+5μm),(After calibration)
Resolution	0.1μm(0~99.9μm), 1μm(≥100μm)	1μm(0~5mm), 10μm(≥5mm)
Readings memory	2000 readings	
Unit	μm, mm, mils	
Operation environment	Temperature: -10~50°C	
Storage environment	Temperature: -20~60°C	
Power supply	3pcs 1.5V AAA batteries	
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003	
Size / Weight / Case material	174mmX73mmX40mm / 195g / ABS	

Economical
Coating Thickness Gauge

EC-500A

The compact coating thickness 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.

- High accuracy and stability
- LCD shows number, mean, maximum, minimum
- Easy to do zero calibration
- Auto shut down
- Low battery indication
- Detect the type of substrates automatically

EC-500A
Device with internal probe, manual, 2 batteries,
ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100072

Specifications	EC-500A
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents
Measuring range	0~1500μm
Accuracy	±(3%+1μm)
Resolution	0.1μm(0~99.9μm), 1μm(≥100μm)
Unit	μm, mm, mils
Operation environment	Temperature: -10~50°C
Storage environment	Temperature: -10~60°C
Power supply	Two 1.5V AAA batteries
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003
Size / Weight / Case material	116mmX53mmX24mm, 80g(int. probe) / ABS

Ultra-High Accuracy Electroplating Coating

Thickness Gauge

EC-500X / EC-500XE

The coating thickness gauge is with ultra-high accuracy meters and can be mainly used to measure the thickness of electroplating coatings. It is used for non-destructive electroplating 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.

- Ultra-high accuracy and stability
- 128X128 dot matrix LCD display and menu interface
- LCD can be rotated and used easily
- LCD shows mean, maximum, minimum and standard deviation
- User can set alarm limit and red backlight indication
- Readings can be stored, recalled and deleted
- Easy to do zero calibration and multi-point calibration supported
- Connect with PC via USB to download readings
- Multiple languages supported
- Up to 5 measurement groups supported
- Detect the type of substrates automatically

EC-500X
Device with Internal probe, CD, manual, 2 batteries, USB cable, ferrous and non- ferrous metal, 4 foils.
Part no.: 1000100066

EC-500XE
Device with external probe, CD, manual, 2 batteries, USB cable, ferrous and non- ferrous metal, 4 foils.
Part no.: 1000100071

Specifications	EC-500X	EC-500XE
Probe position	Internal	External
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents	
Measuring range	0~500μm	
Accuracy	±(1%+1μm)	
Resolution	0.1μm(0~99.9μm), 1μm(⩾100μm)	
Readings memory	2000 readings	
Power supply	Two 1.5V AAA batteries	
Unit	μm, mm, mils	
Operation environment	Temperature: -10~50°C	
Storage environment	Temperature: -20~60°C	
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003	
Size / Weight / Case material	114mmX54mmX30mm,80g(int. probe) / 140g(ext. probe),ABS	

Professional Coating Thickness Gauge

EC-770X / EC-770XE

It can non-destructively measure the thickness of non-conductive coating on metal surface and non-ferromagnetic metal coating on ferromagnetic metal surface. EC-770X thickness gauge has a built-in precision probe integrating magnetic induction and eddy current effect. EC-770XE has an external probe.

- Ruby probe
- High resolution 0.1μm
- 5000μm Massive Process
- Display maximum, minimum, average
- Red backlight alarm
- Standardized menu interface
- Recording data and transmitting computers
- Support for user calibration
- Maximum measurement speed 2 readings/sec
- Manual rotating screen
- Display with backlight
- Automatic shutdown
- Battery protection

EC-770X

Device with internal probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100036(internal probe F5.0 N3.0)

EC-770XE

Device with external probe, CD, manual, 2 batteries, USB cable, ferrous and non-ferrous metal, 5 foils.
Part no.: 1000100185

Model	EC-770X	EC-770XE
Probe position	Internal	External
Measuring principle	Fe: magnetic induction; NFe: eddy current effect	
Measuring range	Fe: 0~5000μm; NFe: 0~3000 Other measurements can be customized	
Accuracy	±(2%+1μm)	
Resolution	0.1μm (0~99.9μm); 1μm (≥100μm)	
Unit	μm, mm, mils	
Calibration	Zero calibration, point calibration	
Statistics	Number of data, maximum, minimum, mean, standard variance	
USB data transmission	Support	
Storage capacity	2000 measurements	
Probe triggering force	0.3~0.8N	
Minimum radius of curvature of substrate	Convex 5mm Concave 25mm	
Minimum measurement area	Diameter 10mm	
Minimum substrate thickness	Fe: 0.20mm; NFe: 0.03mm	
Maximum measured speed	2 readings / sec	
Display	Dot Display	
Operating environment	Temperature: -10~+50°C; Humidity: 20~90% RH (non-condensing)	
Storage environment	Temperature: -20~+60°C; Humidity: 20~90% RH (non-condensing)	
Power supply	2 AAA 1.5V alkaline batteries 2 AAA 1.2V rechargeable batteries	
Protection class	IP40	
Dimensions	113X53X25mm	Host:113X53X25mm Line:Φ3.5X1000mm Probe:Φ17X67mm
Material	ABS	Host:ABS Probe:stainless steel
Weight	About 80g (without batteries)	About 140g (without batteries)
Standard	CE, ROHS,ISO 2178, 2360, GB/T 4956-2003, 4957-2003, JJG-818-2005	

Low Cost Coating Thickness Gauge

EC-100S

This coating thickness gauge is with ultra low cost and can be mainly used to measure the thickness of paint coatings. It is 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.

- Ultra low cost
- Easy to do zero calibration
- Auto shut down
- Low battery indication

EC-100S
Device with internal F/N probe, manual, 2 batteries, aluminum metal, 5 foils.
Part no.: 1000100151

Specifications	EC-100S
Measuring principle	Fe: Magnetic induction ; NFe: Eddy currents
Measuring range	0~2000μm
Accuracy	±(2%+20μm)
Resolution	10μm
Unit	μm, mm, mils
Power supply	Two 1.5V AAA batteries
Operation environment	Temperature: 0~50°C
Storage environment	Temperature: -20~60°C
Standards / Certificates	CE, ROHS, ISO 2178, 2360, GB / T 4956-2003, 4957-2003
Size / Weight / Case material	89mmX49mmX21mm / 45g / ABS

Accessories
for EC Series

Accessories	Part no.
Foils(500μm, 1000μm, 2000μm, 4000μm, 7500μm)5PCS	1000100013
Foils(100μm, 500μm, 1000μm, 2000μm, 4000μm)5PCS	1000100014
Foils(50μm, 100μm, 500μm, 1000μm, 2000μm)5PCS	1000100015
Foils(50μm, 100μm, 250μm, 500μm, 1000μm)5PCS	1000100025
Foils(50μm, 100μm, 250μm, 500μm)4PCS	1000100026
Ferrous metal / Non Ferrous metal Foils(50μm, 100μm, 250μm, 500μm, 1000μm)7PCS	1000100027