COATING THICKNESS GAUGE (HIGH PRECISION)
CODE ISO-8000FN

SUITABLE FOR THIN COATING BELOW 10μm

FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES


calibration foils (included)


stand (**optional**)


eddy current probe **N2000** (**optional**)


zero calibration plate (included)


eddy current probe **N1500** (**optional**)

VIDEO

magnetic induction probe **F500** (included)

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- Can measure thickness of thin coating below 10μm
- High repeatability
- Magnetic induction probe measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
  Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
  Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe measures the thickness of non-conductive coating on non-magnetic metal substrate
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Maximum, minimum, average and variance values can be calculated automatically

SPECIFICATION

Probe		**F500** (included) magnetic induction probe	**N1500 (optional)** eddy current probe	**N2000 (optional)** eddy current probe
Measuring range		0~500μm	0~1500μm	0~2000μm
Resolution		0.1μm (range<100μm) 1μm (100μm≤range≤500μm)	0.1μm (range<100μm) 1μm (100μm≤range<1000μm) 0.01mm (1.00mm≤range≤1.50mm)	0.1μm (range<100μm) 1μm (100μm≤range<1000μm) 0.01mm (1.00mm≤range≤2.00mm)
Accuracy*		±(0.5μm+2%L)		
Repeatability*		≤(0.2μm+0.8%L)		≤(0.2μm+1%L)
Measuring mode		single and continuous		
Measuring interval	**single mode**	1.5s	0.8s	
	continuous mode	0.4s	0.4s	
Calibration mode		zero calibration and multi-points calibration (1~5 points)		
Minimum substrate thickness		0.1mm	0.05mm	
Minimum measuring area		Ø7mm		Ø25mm
Minimum radius of curvature workpieces	**convex surface**	1.5mm		
	concave surface	10mm		
Unit		μm/mil		
Power supply		4×1.5V AAA batteries		
Dimension		148×76×26mm		
Weight		148g		

*L is measuring thickness in μm

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe	1 pc
Zero calibration plate	1 pc
Calibration foils (5.6μm, 11.6μm, 24.6μm, 50.0μm,100μm, 252μm, 390μm)	1 set
1.5V AAA battery	4 pcs

OPTIONAL ACCESSORY

Eddy current probe (with zero calibration plate and standard foil)	**ISO-8000FN-N1500****
	ISO-8000FN-N2000
Stand	**ISO-8000FN-STAND**

**For precision measurement of thin coating below 10μm, please use the stand for eddy current probe

POPULAR MODEL | BLUETOOTH | FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES | DATA OUTPUT | VIDEO

COATING THICKNESS GAUGE
CODE 9501-1200

INSPECTION CERTIFICATE


eddy current probe **NFE** (**optional**) with zero calibration block


magnetic induction probe **FE90** for bores and grooves (**optional**)


calibration foils (included)

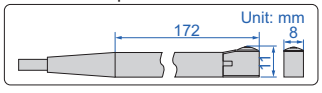

magnetic induction probe **FE10** for large range (**optional**)


zero calibration block for **FE** (included)


receiver (**optional**)

- Magnetic induction probe (FE) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.
  Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
  Coating: zinc, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe (NFE) measures the thickness of non-conductive coating on non-magnetic metal substrate.
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Tolerance measurement
- Data statistic, including average, variance, maximum and minimum values
- Data can be sent to Excel by connecting to computers via bluetooth or cable of receiver
- Support bluetooth printer
- Automatic power off

FE90 probe dimension



SPECIFICATION

Probe type	**FE** (included) magnetic induction probe	**NFE (optional)** eddy current probe	**FE90 (optional)** magnetic induction probe for bores and grooves	**FE10 (optional)** magnetic induction probe for large range
Measuring range	0~1250μm	0~1250μm	0~1250μm	500~10000μm
Accuracy*	±(3%L+1)μm (range≤1250μm) ±(3%L+10)μm (range>1250μm)			
Resolution	0.1μm (range<100μm)			
	1μm (range≥100μm)			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø15mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	—	10mm
Memory	600			
Output	USB			
Power supply	2×1.5V AA batteries			
Dimension	135×77×32mm			
Weight	172g			

*L is measuring thickness in μm

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FE)	1 pc
Zero calibration block for FE probe	1 pc
Calibration foils (50/100/250/500/1000μm)	1 set
1.5V AA battery	2 pcs
Software and USB cable	1 pc

OPTIONAL ACCESSORY

Receiver	ISR-C300-RECEIVER
Cable of receiver	9501-1200-CABLE
Bluetooth printer	ISR-C002-PRINTER
Eddy current probe (NFE) with zero calibration block	9501-1200-NFE
Magnetic induction probe (FE90) for bores and grooves	9501-1200-FE90
Magnetic induction probe (FE10) for large range	9501-1200-FE10

COATING THICKNESS GAUGE
CODE 5401-TC11

TEMPERATURE COMPENSATION

DATA OUTPUT

VIDEO

eddy current probe
NM (**optional**)

magnetic induction probe
FM (included)

- Magnetic induction probe (FM) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.
  Substrate: steel, iron, alloy, hard magnetic steel, etc.
  Coating: zinc, aluminum, chrome, copper, rubber, paint, etc.
- Eddy current probe (NM) measures the thickness of non-conductive coating on non-magnetic metal substrate.
  Substrate: copper, aluminum, zinc, tin, etc.
  Coating: rubber, paint, plastic, anodized film, etc.
- Real-time temperature compensation guarantees high accuracy, thin plating and oxide layer less than 20μm can be measured accurately
- Reduces the effects of electromagnetic interference and hand-held operation
- Probe can be re-matched after abrasion
- Tolerance measurement with adjustable alarm threshold
- USB interface for data transmission
- Coupling status indication
- Support cable printer

SPECIFICATION

Probe		**FM** (included) magnetic induction probe	**NM (optional)** eddy current probe
Range		0~1500μm	0~1500μm (chrome plating on copper: 0~40μm)
Resolution		0.1μm (<100μm) 1μm (100μm~1500μm)	
Accuracy*	**zero calibration**	±(1μm+2%L)	
	one-point calibration	±(1μm+2%L)	
	two-point calibration	±[1μm+(1~2)%L]	
	multi-point calibration	±(1μm+1%L)	
Measuring mode		single point measurement, scan mode, differential mode, average mode	
Calibration mode		zero calibration, one-point calibration, two-point calibration, multi-point calibration	
Test frequency		3 times per second	
Minimum substrate thickness		0.5mm	0.3mm
Minimum measuring area		Ø7mm	Ø5mm
Minimum curvature radius of convex workpiece		1.5mm	3mm
Data storage		500 groups	
Interface		USB	
Operation temperature		-10°C~50°C	
Power supply		3×1.5V AAA batteries	
Dimension		150×70×30mm	
Weight		160g	

* L is the measured value in μm

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FM)	1 pc
Zero calibration block for FM probe	1 pc
Calibration foils(12/50/100/250/500/1000μm)	6 pcs
AAA battery	3 pcs
Software and USB cable	1 pc

OPTIONAL ACCESSORY

Eddy current probe (NM) (with zero calibration block for NM probe)	**5401-TC11-NM**
Cable printer	**5401-TC11-PRINTER**

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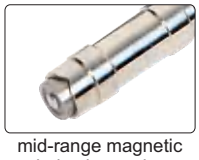
TEMPERATURE COMPENSATION | ONLINE MEASUREMENT IN REAL TIME | BLUETOOTH

COATING THICKNESS GAUGE (ADVANCED TYPE) CODE 5402-TC21

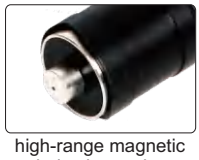
VIDEO

- Magnetic induction probe (FM) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.
  Substrate: steel, iron, alloy, hard magnetic steel, etc.
  Coating: zinc, aluminum, chrome, copper, rubber, paint, etc.
- Eddy current probe (NM) measures the thickness of non-conductive coating on non-magnetic metal substrate.
  Substrate: copper, aluminum, zinc, tin, etc.
  Coating: rubber, paint, plastic, anodized film, etc.
- Real-time temperature compensation guarantees high accuracy, thin plating and oxide layer less than 20μm can be measured accurately
- Reduces the effects of electromagnetic interference and hand-held operation
- Probe can be re-matched after abrasion
- Tolerance measurement with adjustable alarm threshold
- USB and bluetooth interface for data transmission and online measurement in real-time
- Coupling status indication
- Support cable printer

magnetic induction probe **FM** (included)



mid-range magnetic induction probe **FL** (**optional**)



high-range magnetic induction probe **FX** (**optional**)

low-range magnetic induction probe **FS** (**optional**)

high-temp magnetic induction probe **FH** (**optional**)

eddy current probe **NM** (**optional**)

SPECIFICATION

Probe		**FM** (included) magnetic induction probe	**FL** (**optional**) mid-range magnetic induction probe	**FX** (**optional**) high-range magnetic induction probe	**FS** (**optional**) low-range magnetic induction probe	**FH** (**optional**) high-temp magnetic induction probe	**NM** (**optional**) eddy current probe
Range		0~1500μm	0~3000μm	0~10000μm	0~500μm	0~3000μm	0~1500μm
Resolution		0.1μm (<100μm) 1μm (100μm~10000μm)					
Accuracy *	**zero calibration**	±(1μm+2%L)	±(1μm+3%L)	±(2μm+5%L)	±(1μm+2%L)	±(1μm+3%L)	±(1μm+2%L)
	multi-point calibration	±(1μm+1%L)	±(1μm+2%L)	±(1μm+3%L)	±(1μm+1%L)	±(1μm+2%L)	±(1μm+1%L)
Measuring mode		single point measurement, scan mode, differential mode, average mode					
Calibration mode		zero calibration, one-point calibration, two-point calibration, multi-point calibration					
Minimum substrate thickness		0.5mm	0.5mm	2mm	0.2mm	0.5mm	0.3mm
Minimum measuring area		Ø7mm	Ø7mm	Ø40mm	Ø3mm	Ø7mm	Ø5mm
Minimum curvature radius of convex workpiece		1.5mm	1.5mm	10mm	1mm	1.5mm	3mm
Data storage		500 groups					
Interface		USB, bluetooth					
Operation temperature		-10°C~50°C					
Power supply		3×1.5V AAA batteries					
Dimension		150×70×30mm					
Weight		160g					

* L is the measured value in μm

To be continued

Continued from previous page

STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FM)	1 pc
Zero calibration block for FM probe	1 pc
Calibration foils (12/50/100/250/500/1000μm)	6 pcs
AAA battery	3 pcs
Software and USB cable	1 pc

OPTIONAL ACCESSORY

Eddy current probe (NM) (with zero calibration block for NM probe)	5401-TC11-NM
Mid-range magnetic induction probe (FL)	5402-TC21-FL
High-range magnetic induction probe (FX)	5402-TC21-FX
Low-range magnetic induction probe (FS)	5402-TC21-FS
High-temp magnetic induction probe (FH)	5402-TC21-FH
Cable printer	5401-TC11-PRINTER

COATING THICKNESS GAUGE (BASIC TYPE) CODE ISO-1000FN

FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES

VIDEO

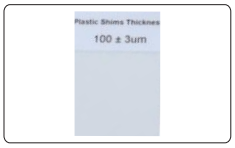
- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
  Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
  Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- 3 measuring modes: Fe, NFe, Fe/NFe
- Store 9 measuring records
- Small and portable, easy for operation

ruby contact point

SPECIFICATION

Measuring range		0~5000μm
Resolution		0.1μm (range<100μm) 1μm (100μm≤range<1000μm) 0.01mm (1mm≤range≤5mm)
Accuracy *		<2000μm: ±(2μm+3%L) 2000μm~5000μm: ±(2μm+5%L)
Measure interval		0.5s
Calibration mode		zero calibration
Measuring mode		Fe, NFe, Fe/NFe
Minimum substrate thickness	Fe	0.2mm
	NFe	0.05mm
Minimum measuring area		Ø25mm
Minimum radius of curvature workpieces	convex surface	5mm
	concave surface	25mm
Unit		μm/mil
Power supply		2×1.5V AAA batteries
Dimension		101×62×28mm
Weight		79g

* L is the measured value in μm



standard foil (included)

Fe zero calibration plate (included)

NFe zero calibration plate (included)

STANDARD DELIVERY

Main unit	1 pc
Fe zero calibration plate	1 pc
NFe zero calibration plate	1 pc
Standard foil (100μm)	1 pc
1.5V AAA battery	2 pcs

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VIDEO

FOR MAGNETIC AND NON-MAGNETIC SUBSTRATES

COATING THICKNESS GAUGE (BASIC TYPE)
CODE ISO-1200FN

- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
  Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)
  Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- 3 measuring modes: Fe, NFe, Fe/NFe
- Store 9 measuring records
- Small and portable, easy for operation

SPECIFICATION

Measuring range		0~5000μm
Resolution		0.1μm (range<100μm) 1μm (100μm≤range<1000μm) 0.01mm (1mm≤range≤5mm)
Accuracy *		<2000μm: ±(2μm+3%L) 2000μm~5000μm: ±(2μm+5%L)
Measure interval		0.5s
Calibration mode		zero calibration
Measuring mode		Fe, NFe, Fe/NFe
Minimum substrate thickness	Fe	0.2mm
	NFe	0.05mm
Minimum measuring area		Ø25mm
Minimum radius of curvature workpieces	convex surface	5mm
	concave surface	25mm
Unit		μm/mil
Power supply		2×1.5V AAA batteries
Main unit dimension		101×62×28mm
Probe dimension		71×26×22mm
Weight		114g

* L is the measured value in μm

Fe zero calibration plate (included)

NFe zero calibration plate (included)

STANDARD DELIVERY

Main unit	1 pc
Fe zero calibration plate	1 pc
NFe zero calibration plate	1 pc
Standard foil (100μm)	1 pc
1.5V AAA battery	2 pcs

standard foil (included)

COATING THICKNESS GAUGE
CODE 5403-QM32

VIDEO

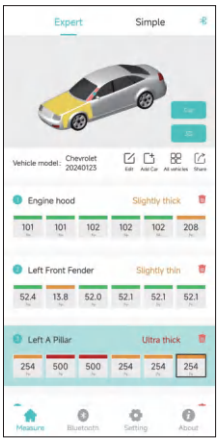
FOR INDOOR OR OUTDOOR LOW TEMPERATURE USE

BLUETOOTH

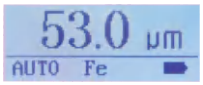
ruby probe

- Suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
  Substrate: iron, steel, magnetic stainless steel
  Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Can quickly detect the paint thickness of iron and aluminum body of car, three colors of backlight indication, can identify non-metal shell and iron powder putty layer
- Can connect to mobile APP, measure and generate test reports in real time, and save or share the report
- Built-in multiple languages
- Store 9 measuring records
- Small and portable, easy for operation

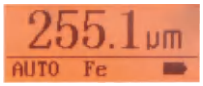
mobile APP



car body paint thickness detection



paint thickness<170μm, blue backlight indicates "normal thick"



paint thickness between 170μm and 350μm, yellow backlight indicates "slightly thick"

paint thickness>350μm, red backlight indicates "ultra thick"

SPECIFICATION

Measuring range	0~3000μm
Resolution	0.1μm (range<100μm) 1μm (100μm≤ range<1000μm) 0.01mm (1mm≤ range<3mm)
Accuracy	±(2μm+3%L) L is measuring thickness in μm
Measure interval	0.5s
Calibration mode	zero calibration
Display	LCD
Working temperature	-20~50°C
Unit	μm/mil
Language	Chinese, English, Turkish, Ukrainian
Power supply	2×1.5V AAA batteries
Dimension	100×60×24mm
Weight	80g


standard foil (included)


Fe zero calibration plate (included)

STANDARD DELIVERY

Main unit	1 pc
Fe zero calibration plate	1 pc
NFe zero calibration plate	1 pc
Standard foil (100μm)	1 pc
1.5V AAA battery	2 pcs


NFe zero calibration plate (included)

VIDEO

FOR INDOOR OR OUTDOOR LOW TEMPERATURE USE

BLUETOOTH

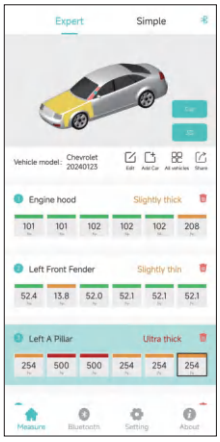
DOUBLE SCREEN COATING THICKNESS GAUGE
CODE 5404-QM42

ruby probe

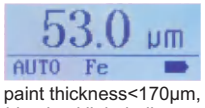
- Probe is suitable for both magnetic and non-magnetic metal substrates
- Can measure the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate
  Substrate: iron, steel, magnetic stainless steel
  Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Can measure the thickness of non-conductive coating on non-magnetic metal substrate
  Substrate: copper, aluminum, zinc, non-magnetic stainless steel
  Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Can quickly detect the paint thickness of iron and aluminum body of car, three colors of backlight indication, can identify non-metal shell and iron powder putty layer
- Can connect to mobile APP, measure and generate test reports in real time, and save or share reports
- Double screen, easy reading and normal use at -40°C low temperature
- Built-in multiple languages
- Store 9 measuring records
- Small and portable, easy for operation

33

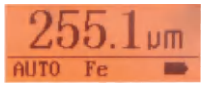
mobile APP



car body paint thickness detection



paint thickness<170μm, blue backlight indicates "normal thick"



paint thickness between 170μm and 350μm, yellow backlight indicates "slightly thick"

paint thickness>350μm, red backlight indicates "ultra thick"


OLED screen

SPECIFICATION

Measuring range	0~3000μm
Resolution	0.1μm (range<100μm) 1μm (100μm≤ range<1000μm) 0.01mm (1mm≤ range<3mm)
Accuracy	±(2μm+3%L) L is measuring thickness in μm
Measure interval	0.5s
Calibration mode	zero calibration
Display	front screen LCD, top screen OLED
Working temperature	-20~50°C (LCD screen), -40~50°C (OLED screen)
Unit	μm/mil
Language	Chinese, English, Turkish, Ukrainian
Power supply	2×1.5V AAA batteries
Dimension	100×60×24mm
Weight	80g


standard foil (included)


Fe zero calibration plate (included)


NFe zero calibration plate (included)

STANDARD DELIVERY

Main unit	1 pc
Fe zero calibration plate	1 pc
NFe zero calibration plate	1 pc
Standard foil (100μm)	1 pc
1.5V AAA battery	2 pcs

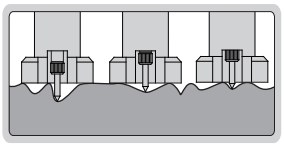
DIGITAL SURFACE PROFILE GAUGE

DATA OUTPUT

DISPLAY MAXIMUM, MINIMUM, DIFFERENCE VALUE BETWEEN MAXIMUM AND MINIMUM

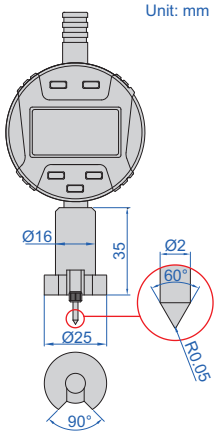
VIDEO

measure peak-to-valley height of blast cleaned surfaces



2844-10

Unit: mm



- Measure peak-to-valley height of blast cleaned surface.
  If the profile is too low, the adhesion of the coating to the surface will be reduced.
  If the profile is too high, there is the danger that the profile peaks will remain uncoated, allowing rust spots to occur.
- Meet ASTM D 4417-B
- Zero set block is included, set zero before measurement
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- CR2032 battery
- Automatic power off (time is adjustable)
- Data output
- Stainless steel base
- Optional accessory:
  wireless transmitter code **7315-50M** (receiver is needed) page 6,
  bluetooth transmitter code **7214-50M** page 12,
  data output cable code **7302-40M** page 21

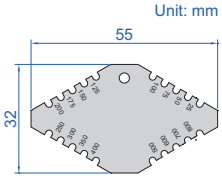
set zero

Code	Range	Digital indicator stroke	Digital indicator resolution	Accuracy
2844-10	0-12.7mm/0-0.5"	12.7mm/0.5"	0.001mm/0.00005"	±0.005mm

WET FILM GAUGES

4845-1

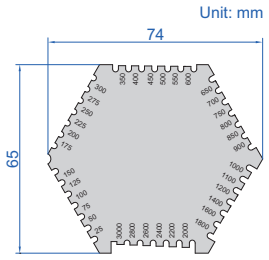
Unit: mm



4845-1

4845-2

Unit: mm



4845-2

- Made of stainless steel

Code	Range	Accuracy	Thickness
4845-1	25-800μm	±5μm	1.8mm
4845-2	25-3000μm	25-100μm: ±5μm 100μm-3000μm: ±5%	1mm

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