DIGI PLUS-LINE Universal Coating Thickness Gauge

- **professional, handheld measuring device for quick and flexible coating thickness measurements**
- **combined system with 2 probes, for iron/steel (Fe) and non-ferrous metal (Ne)**
- **large display, with backlight (switchable), with memory function**
- **rugged extruded aluminium case, USB data output and with dataview software**
- **operates in any position: horizontal, vertical or upside down**
- **for measurements of non-magnetic layers on metal surfaces (Fe) and measurements of insulating layers on non-ferrous metals (NFe)**
- **application fields include surface engineering, automotive industry, electroplating, pipeline construction, aluminium industry, spray coating, plastic coating, mechanical engineering, bridge construction, etc.**

- rugged extruded aluminium body frame, with soft key pad
- multi-function display with clear reading, with backlight switchable
- with „low-battery" indicator, autom. recognition of probe type, alarm function switchable
- magnetic induction measuring principle (Fe) and eddy current measuring principle (NFe)
- units in µm or mils, autom. substrate recognition, manual or autom. shut down function
- two measuring methods: continuous measurement and a single measurement
- 3 calibration methods: one point calibration, two point calibration and calibration with a roughened surface
- 5 calibration foil-set,1 x aluminium substrate block and 1 x iron substrate block
- 5 statistical values: mean value, max. value, min. value, standard deviation and numbers of measurements, storage of 500 measuring data in total
- min. radius of workpiece: convex 5 mm, concave 50 mm
- min. substrate thickness Fe (F1)-probe 0.75 mm, for NFE (N1)-probe 50 µm
- direct printing of the measured values by USB cable to PC or printer
- operating temperature -0°C ~ 40°C, rel. humidity 20 - 90%RH
- inclusive 2x 1.5V batteries (type AA, art.-no. 609282) with screw driver, data cable, dataview software, operation manual, in a rugged case

Accessories on page 261

UNIT · DIN ISO · ASTM · BS · CE · TC · WARRANTY 2 YEARS

ART NO	µm	µm F1 + N1	µm probe F1	µm probe N1	mm	KG
480227	0.1 / 0.1	0 - 1250	1 + 3%	1.5 + 3%	115 x 70 x 30	0.370

DIGI PLUS-LINE Universal Paint Thickness Gauge • IP52

application example

- **professional, handheld device for quick and accurate paint thickness measurements**
- **device with built-in probe for quick, non-destructive and accurate measurements**
- **integrated probe for measurements on smooth, painted areas**
- **combined system for measurements on iron/steel (Fe) and non-ferrous metal (NFe) both of these offer the highest degree of precision even with thinnest paint coatings**
- **large display, 4 digits, alphanumeric, height 8 mm**
- **in a rugged ABS plastic housing, with rubber protective cover**
- **easy single key operation, just switch on and measure, autom. base material recognition**
- **for measurements on level or slightly curved surfaces**
- **no calibration necessary, calibrated before delivery**
- **area of application: painting companies, spray- and powder coating, automotive companies, experts and automotive garages, oldtimer scene, machinery, aluminium industry, etc.**

- rugged ABS plastic housing, with rubber protective cover, with key pad
- innovative and user friendly handling: switch on and measure
- multi-function LCD display with clear reading, autom. recognition of base material
- large contact area for reliable positioning
- magnetic induction measuring principle (Fe) and eddy current measuring principle (NFe) reading in µm and mils
- calibration-free measuring, acoustic signal when recording measured values
- control foil and zero-standards (1 x aluminium- and 1 x steel plate)
- min. radius workpiece for convex surfaces 25 mm, for concave surfaces 50 mm
- min. thickness of workpiece - F 0.75 mm, min. thickness of workpiece - N 0.25 mm, min. measuring surface 40x40 mm
- operating temperature 0°C ~ 60°C, rel. humidity 20 - 90%RH, surface temperature -15° ~ 60°C
- incl. 2x 1.5V batteries (type AAA, art.-no. 609283)
- with operation manual, in a rugged carrying case

Accessories on page 261

UNIT · IP 52 · DIN ISO · ASTM · BS · CE · TC · WARRANTY 2 YEARS

ART NO	µm	µm Fe	mm NFe	± µm	mm probe	mm	KG
480238	1.0 / 2.0 / 5.0	0 - 3000	0 - 3000	3 + 5%	integrated	110 x 50 x 25	0.090

DIGI PLUS-LINE Universal Coating Thickness Gauge • IP52

- professional, handheld device for quick and flexible coating thickness measurements
- device available with built-in probe or with external probe for flexible measurements
- combined system for measurements of non-magnetic layers on metal surfaces (Fe) and for measurements of insulating layers on non-ferrous metals (NFe)
- large display, 4 digits, alphanumeric, height 10 mm
- no calibration necessary, calibrated before delivery
- highly wear-resistant measuring pole made of tungsten carbide
- in a rugged ABS plastic housing, with rubber protective cover
- operates in any position, horizontal, vertical and upside down
- application fields: painting companies, spray- and powder coating, automotive experts and automotive garages, steel- and automotive companies and shipbuilding, machinery, electro plating, aluminium industry, in laboratories, quality control, etc.

ART Nº 480237

ART Nº 480236

application example

application example

- rugged ABS plastic housing, with rubber protective cover, with key pad
- innovative and user friendly handling: switch on and measure
- multi-function LCD display with clear reading, autom. recognition of base material
- plastic base of the probes are shaped with a V-groove, thus ensuring vertical positioning on flat, cylindrical or curved surfaces
- magnetic induction measuring principle (Fe) and eddy current measuring principle (NFe) reading in µm and mils
- calibration-free measurements, online statistics (mean values, standard deviations, min, max)
- acoustic signal when recording measured values
- control foil and zero-standards (1 x aluminium- and 1 x steel plate)
- min. radius workpiece for convex surfaces 5 mm, for concave surfaces 50 mm
- min. thickness of workpiece for Fe probe 0.5 mm, for NFe probe 50 µm, min. measuring surface 10x10 mm
- operating temperature 0°C ~ 60°C, rel. humidity 20 - 90%RH, surface temperature -15° ~ 60°C
- incl. 2x 1.5V batteries (type AAA, art.-no. 609283)
- with operation manual and wrist strap, in a rugged carrying case

DIN ISO | ASTM | BS | CE | TC | UNIT | IP 52 | WARRANTY 2 YEARS

ART Nº	µm	µm Fe	µm NFe	max. ± µm	mm probe	mm	KG
480236	1.0 / 2.0 / 5.0	0 - 3500	0 - 3000	2 oder 2%	built-in	110 x 50 x 25	0.090
480237	1.0 / 2.0 / 5.0	0 - 3500	0 - 3000	2 oder 2%	ø 24 x 45	110 x 50 x 25	0.140

DIGI PLUS-LINE Ultrasonic Thickness Gauge

- Top-Model, for various materials, such as steel, stainless steel, glass, gold, silver, non-ferrous metals, nylon, polyethylene, polystyrene, teflon, rubber, plexiglass, titanium, platinum, neoprene, a.m.o.
- pocket size instrument, for quick and flexible wall thickness measurements
- operates in any position – horizontal, vertical and upside down
- easy to operate device
- with automatic probe zero calibration

- rugged polyamid plastic housing, automatic probe identify system
- with touchscreen soft key pad, with low-high limit setting and alarm signal
- resolution in 0,01 mm/0.001“ or 0,1 mm/0.01“, measurements 4/s and 10/s in „fast mode“
- fast calibration on integrated 4 mm test plate (ø 15 mm)
- 4-digit LCD-display with clear reading and backlight display for dark environment
- incl. interchangeable 5 MHz standard transducer (<60°C) with ø 10 mm, for general purpose
- operating temperature -20°C ~ +50°C, measuring temperatur -20°C ~ 350°C (acc. to the probes)
- with average calculation of max. 9 readings, memory of 5.000 reading with location number
- with „low battery“ indicator, autom. power off selectable, measuring unit in mm/inch swichtable
- with selectable sound velocity range from up 1.000 m/s ~ 9.999 m/s
- with installation software on CD-Rom
- with USB data output to PC
- with 2 batteries 1.5 V (type AAA, art.-no.: 60 9283), couplant, hand strap, operation manual
- incl. workshop calibration-certificate, in sturdy plastic case

UNIT | NORM | CE | CC | WARRANTY 2 YEARS

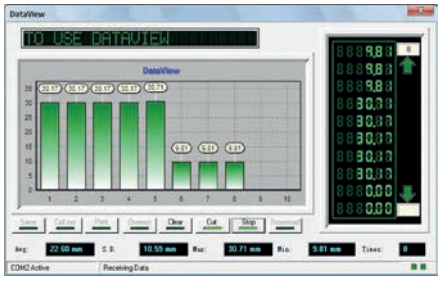
ART Nº	mm / inch		max.	mm	KG	CC
480101	0.65-400 mm / 0.026-15.7“	0.1/0.01mm-0.01/0.001“	0.5 %n +0.1	116 x 64 x 24	0.220	inclusive

DIGI PLUS-LINE Ultrasonic Thickness Gauge

- **compact handheld measuring device for quick and location independent measuring**
- **with 2 external probes**
- **dedicated for many materials, such as steel, cast iron, nodular cast iron, aluminium, bronze, copper, zinc, etc., ceramic, glass, composites, epoxies, homogenously plastics, other ultrasonic wave well conductive materials**
- **large LCD display, 4-digit, in a rugged ABS plastic housing**
- **operates in any position, horizontal, vertical and upside down**
- **with integrated steel test plate for fast calibration**
- **areas of application e. g.: surface technology, automotive-, metal-, machinery- and aluminium-industry, storage tanks, pressure boiler, shipbuilding, bridge construction corrosion tests, etc.**

- rugged ABS plastic housing, with soft keypad
- multi-function display with clear reading, mm/inch switchable
- ON/OFF button, coupling state indication, memory function for 2000 groups
- Pre-Set function for upper and lower limit setting
- incl. software for data transmission
- with 2 external probes:
  1x N05/90° angle probe (ø 10mm/5MHz), for steel 1-250 mm
  1x N07 (ø 6mm/7MHz), for thin-walled pipes or small radii 0,75-50 mm
- operating temperature -10°C ~ 60°C, rel. humidity 20 ~ 90% RH
- incl. 2x 1.5 V batteries (type AA, art.-no. 609282), couplant, operation manual, in a rugged case

Accessories on page 261



UNIT · DIN ISO · CE · TC · WARRANTY 3 YEARS

ART NO	mm	mm N05	mm N07	sound velocity m/s	max.	mm	KG
480261	0.01	1 - 250	0.75 - 50	1000 - 9999	± 0.5% + 0.01 mm	163 x 78 x 33	0.200

DIGI PLUS-LINE Ultrasonic Thickness Gauge

- **designed to measure the thickness of ferrous (Fe) or non-ferrous materials (NFe)**
- **dedicated for many materials, such as steel, cast iron, grey cast iron, nodular cast iron, aluminium, copper, bronze, zinc, glass (quarz), ceramics, composites, epoxies, homogenously plastics and other ultrasonic wave well conductive materials**
- **rugged handheld measurement device, for quick and flexible wall thickness measurements**
- **suitable for most metallic and non-metallic ultrasonic wave can go through, application areas are e.g. surface technology, automotive industry, storage tank, pressure boiler, shipbuilding, chemical- and petrol plants, power stations, aluminium industry, machine engineering, bridge construction, etc.**
- **for wall thickness checking of pressure tanks, vessels, oil tanks, chemical instruments and many others**
- **operates in any position: horizontal, vertical or upside down**

- robust housing made of polyamide, with soft keypad
- 4-digit LCD display, with backlight, digit height 9 mm
- with integrated test block for fast calibration
- autom. calibration function, reading in mm/inch
- On/Off key and autom. power off function, with „low-battery“ indicator
- selectable sound velocity 1000-9999 m/s
- internal data memory for 40 measurements
- incl. exchangeable 5 MHz transducer, ø 10 mm, for standard purposes
- operation temperature 0°C ~ +40°C, humidity 20% - 90% RH
- incl. 2x battery 1.5 V (type AA, art.-no.: 609282), with operation manual, wrist strap and couplant

More probes available on request

Accessories on page 261

UNIT · NORM · CE · TC · WARRANTY 2 YEARS

ART NO	mm	mm / inch	max.	mm	KG
480120	0.01	0.7 - 300.00 / 0.36 - 11.80	0.5 % + 0.1	124 x 67 x 30	0.240

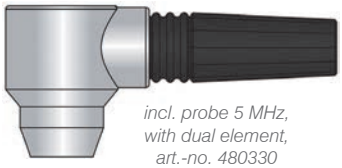
DIGI PLUS-LINE

Ultrasonic Thickness Gauge with Echo-Echo System (A+B-Scan)

NEW

- top class device, with USB data output, with A- + B-Scan Mode
- suitable for measuring material thickness, also through coated surfaces
- location-independent material measurement with simple operation
- dedicated for ferrous (Fe) and non-ferrous materials (NFe)
- large TFT color display (320x240 mm), with clear reading
- multilingual menu navigation, data transfer by USB output to PC in any windows system
- 2-9 average measurements, operates in any position: horizontal, vertical or upside down
- Min/Max limit setting, with alarm function, low battery indicator
- automatic probe recognition and automatic zero calibration
- integrated test plate for fast calibration
- automatic measurement and manual-measurement selectable
- automatically locates the detection point
- measurement screen is automatic frozen, which makes it easy to analyze the data for the user
- with our optional available probes our device is dedicated for materials e.g. such as: steel, cast iron, grey cast iron, nodular cast iron, aluminium, copper, brass, zinc, glass (quartz), composites, ceramic, epoxies, PVC, homogenously plastics and other ultrasonic wave well conductive materials

- rugged housing, with soft key pad
- TFT color display, with multi-function indicator, clear reading
- integrated steel test plate for fast calibration
- autom. calibration function, values in mm/inch
- On/Off key, autom. power off, with „low-battery“ indicator
- selectable sound velocity range 1.000 m/s - 9.999 m/s
- with data memory 100 measurement in 100 different files
- incl. exchangeable 5 MHz probe, ø 13,2 mm, <60°C, for standard purpose
- operation temperature -20°C ~ +50°C, rel. humidity 20 - 90%RH
- incl. 2x 1,5 V battery (type AA, art.-no.: 609282), with couplant, workshop calibration certificate and operation manual



incl. probe 5 MHz, with dual element, art.-no. 480330

More probes available on request!

Accessories on page 261

UNIT | NORM | CE | TC | WARRANTY 2 YEARS

ART NO	mm	mm / inch	sound velocity m/s	max.	mm	KG	CC
480130	T-E 0.65 ~ 400.0 E-E: 3 ~ 25	0.01 / 0.001	1000 ~ 9999	± 0.4 mm up to < 9.99 mm ± 0.1% + 0.04 mm up to 10-99.9 mm ± 0.3% up to > 100 mm	133 x 75 x 29	0.260	inclusive
480131	T-E 20 ~ 590	0.01 / 0.001	1000 ~ 9999	± 0.1% + 0.04 mm up to 10-99.9 mm ± 0.3% up to > 100 mm	133 x 75 x 29	0.260	inclusive
480132	T-E 1.50 ~ 20 E-E: 0.20 ~ 10	0.001 / 0.0001	1000 ~ 9999	± 0.4 mm up to < 9.99 mm ± 0.1% + 0.04 mm up to 10-99.9 mm	133 x 75 x 29	0.260	inclusive

Explore our website!

Any questions?
We are pleased to advise!

Accessories for Universal Coating Thickness Gauges

ART NO	suitable for model	application	article description	µm
480310	all models	for calibration purpose	calibration foil set Fe + Ne	-
480315	480227	magnetic induction	probe F1 (Fe)	0 - 1250
480316		eddy current method	probe N1 (Ne)	0 - 1250
480322	480237	combined Fe + FNe	combined probe F (Fe) + N (NFe)	0-3500 0-3000
480323		magnetic induction	probe F10 (Fe)	0-10000


ART NO 480315


ART NO 480316


ART NO 480322

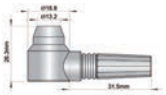

ART NO 480323

cessories for Ultrasonic Thickness Gauges

ART NO	suitable for model	application	article description	mm
480280	all models	for coupling	couplant, 60 ml	-
480288			couplant, 100 ml	
480275	480120	for standard purposes	probe, ø10 mm 5 MHz	1.0 - 250
480274		for thin pipes	probe, ø7 mm 5 MHz	0.8 - 30
480277		for extrem high temperatures	probe, ø12 mm 5 MHz	3.0 - 100
480278		for cast iron	probe, ø12 mm 2.5 MHz	3.0 - 250
480330	480130	for standard purposes and for Echo-Echo up to ø 25x3 mm	probe ø 13.2 mm 5 MHz (<60°C)	T-E: 1.44-200 E-E: 3-25
480331	480101 and 480130	for thin pipes up to ø 25x1,2 mm	probe ø 11 mm 5 MHz (60°C)	0.8-300
480332		for extrem high temperatures up to ø 25x2 mm	probe ø 15 mm 5 MHz, up to 350°C	2-200
480333		for thin pipes up to ø 15x1,2 mm	probe ø 9 mm 7.5 MHz (60°C)	0.65-50
480334		for extrem thin pipes up to ø 15x1 mm	probe ø 6 mm 10 MHz (60°C)	0.65-20
480335		for pipes up to ø 40x3 mm	probe ø 17 mm 2 MHz (60°C)	2-400
480336	480130	for fiberglass and composites	probe ø 26 mm 1 MHz (60°C)	3.0-200
480337	480131	for fiberglass and composites	probe ø 28 mm 1 MHz (60°C)	20-590
480338	480132	for thin, curved surfaces	probe ø 7,5 mm 5 MHz (60°C)	E-E 0.200-10 T-E 1.500-20
480341	480261	for standard purpose	probe ø 10 mm 5 MHz (60°C)	1-250
480342		for thin, curved surfaces	probe ø 6 mm 7 MHz (60°C)	0.75-50
480343		for cast iron and rough surfaces	probe ø 22 mm 2 MHz (60°C)	2.5-350
480344		for extrem high temperatures	probe ø 14 mm 5 MHz, until 500°C	2-100
489871	all models	6-step test block 1 / 3 / 5 / 10 / 15 / 20 mm		1-20
489872		4-step test block 1.5 / 4 / 10 / 18 mm		1-10


ART NO 480280

ART NO 480288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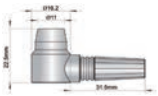
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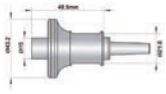
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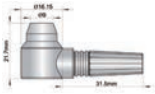
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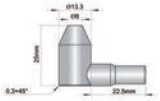
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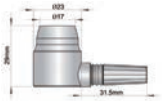
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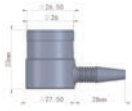
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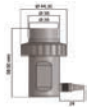
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ART NO 480338


ART NO 489871