Ultrasonic Thickness Gauge

SPECIFICATIONS	AS840	AS850	AS860
Transducer	Φ10mm 5MHz	Φ10mm 5MHz / 2.5MHz	Φ6mm 5MHz / Φ10mm 5MHz
Measuring Range	1.2~225mm(Steel)	1.2~225mm(Steel)	1.2~225mm(Steel)
Accuracy	±(1%H±0.1mm)	±(1%H±0.1mm)	±(1%H±0.1mm)
Resolution	0.1mm	0.1mm	0.1mm
Sound Velocity	1000~9999m/s	1000~9999m/s	1000~9999m/s
Operating Frequency	5MHz	5MHz	5MHz
Operation Condition	0°C~40°C	0°C~40°C	0°C~40°C
Minimum Limit For Tube Measuring		Φ20*3mm(Steel)	
Thickness Data Storage	10 groups	10 groups	12 groups
Sound Velocity Measuring & Storage	12 groups	12 groups	12 groups
Backlight Display	√	√	√
Auto Zero Calibration	√	√	√
Auto linear compensation	√	√	---
Coupling Indicator	√	√	√
Battery Indication	√	√	√
Auto/Manual Power Off	√	√	√
Max / Min Thickness Alarm Setup	---	---	√
12 Sound Velocities For Different Material	---	---	√
Metric / Imperial Switchable	---	---	√
GENERAL CHARACTERISTICS & PACKING INFORMATION			
Power	9V battery	9V battery	9V battery
Product Net Weight	200g	210g	240g
Product Size	150 x 80.5 x 34mm	150 x 80.5 x 34mm	150 x 80.5 x 34mm
Packing	Gift box	Gift box	Gift box
Standard Quantity / Carton	24	10	10
Standard Carton Size	47 x 38 x 55cm	39x 32 x 44cm	39x 32 x 44cm
Standard Carton Gross Weight	19.5kg	11.0kg	11.0kg

Differential Pressure Meter

SPECIFICATIONS	AS510
Measuring Range	0~100hPa 0~45.15 inH₂O
Accuracy	±0.03 hPa(0~0.30hPa) ±0.05 hPa(0.31~1.0hPa) ±(1.5%+0.1hPa) remaining ±0.01 inH₂O(0.00~0.12inH₂O) ±0.02 inH₂O(0.13~0.40inH₂O) ±(1.5%+0.4inH₂O) remaining
Resolution	0.01hPa / 0.01inH₂O
Measuring speed	0.5 sec
Units	hPa, mbar, mmH2O, mmHg, inH2O, inHG, m/s, fpm
Operation Condition	0~50°C / 32~122°F
GENERAL CHARACTERISTICS & PACKING INFORMATION	
Power	3*1.5V AAA batteries
Product Net Weight	71.5g
Product Size	124.8 x 49.8 x 25.6mm
Packing	Gift box
Standard Quantity / Carton	40
Standard Carton Size	52.5 x 40 x 49cm
Standard Carton Gross Weight	19.01kg

Film / Coating Thickness Gauge

SPECIFICATIONS	AS930	AS931
Measuring Range	0~1800μm	
Measuring Principle	Magnetic Induction	
Accuracy	±(3%H±1μm)	
Resolution	0.1μm / 1μm	
Minimum Curvature Radius	Convex=1.5mm Concave=9mm	
Base Sample Diameter	Φ7mm	
Base Substrate Thickness	0.5mm	
Backlight Display	√	√
Alarm Buzzer	√	√
Zero / Two Point / Basic Calibration	√	√
Single / Continuous / Standard Deviation Measurement	√	√
Data Storage & Recall	√	√
Data Analysis	√	√
Max & Min Measuring	√	√
AVG & DFR Measuring	√	√
Data Storage	15 groups	15 groups
Metric / Imperial Switchable	√	√
Battery Indication	√	√
Auto Power Off	√	√
Operation Condition	0°C~40°C (without strong magnetic)	
GENERAL CHARACTERISTICS & PACKING INFORMATION		
Power	9V battery	9V battery
Product Net Weight	147g	155g
Product Size	183x67x30mm	159x66x31mm
Packing	Gift box	Gift box
Standard Quantity / Carton	10	10
Standard Carton Size	39x32x44cm	39 x 32 x 44cm
Standard Carton Gross Weight	9.35kg	9.8kg

SMART SENSOR®
Intelli Instruments™ Pro

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Ultrasonic Thickness Gauge
AS850
1.2~225mm

Ultrasonic Thickness Gauge
AS860
1.2~225mm

Ultrasonic Thickness Gauge
AS840
1.2~225mm

Differential Pressure Meter
AS510
0~100hPa
0~40.15inH₂O

Film / Coating Thickness Gauge
AS930
0~1800μm

Film / Coating Thickness Gauge
AS931
0~1800μm

*The parameters and specifications are based on products sold.

Ultrasonic Thickness Gauge

SPECIFICATIONS	AR850	AR860
Transducer	Φ10mm 5MHz Φ10mm 2.5MHz	Φ6mm 5MHz Φ10mm 5MHz
Measuring Range	1.2~225mm(Steel)	1.00~300mm(Steel)
Accuracy	±(1%H±0.1mm)	±(1%H±0.1mm)
Resolution	0.1mm	0.1mm
Sound Velocity	1000~9999m/s	1000~9999m/s
Operating Frequency	5MHz / 2.5MHz	5MHz
Operation Condition	0°C~40°C	0°C~40°C
Minimum Limit For Tube Measuring	Φ20 x 3mm(Steel)	Φ15 x 2mm(Steel) (Φ6) Φ20 x 3mm(Steel) (Φ10)
Data Storage	10 groups	12 groups
Sound Velocity Measuring & Storage	12 groups	12 groups
Backlight Display	√	√
Auto Zero Calibration	√	√
Auto linear compensation	√	√
Coupling Indicator	√	√
Battery Indication	√	√
Auto/Manual Power Off	√	√
Max / Min Thickness Alarm Setup	---	√
12 Sound Velocities For Diff. Material	---	√
GENERAL CHARACTERISTICS & PACKING INFORMATION		
Power	3*1.5V AAA batteries	3*1.5V AAA batteries
Product Net Weight	275g	275g
Product Size	153 x 75 x 35mm	153 x 75 x 35mm
Packing	Gift box	Gift box
Std Quantity / Carton	12	12
Std Carton Size	52 x 43 x 32.5cm	52 x 43 x 32.5cm
Std Carton G•Weight	16.3kg	16.3kg

Film / Coating Thickness Gauge

SPECIFICATIONS	AR930	AR931	AR932
Measuring Range	0~1800μm		0~1500μm
Measuring Principle	Magnetic Induction		Magnetic Induction & Eddy current
Accuracy	±(3%H±1μm)		±(1.8%um±2um)(0-500um) ; ±(2.2%um±2um) (500-1500um)
Resolution	0.1μm / 1μm		0.1μm / 1μm
Minimum Curvature Radius	Convex=1.5mm Concave=9mm		Convex=5mm Concave=30mm
Base Sample Diameter	Φ7mm		25x25mm
Base Substrate Thickness	0.5mm		Magnetic : 0.2mm ; Non-magnetic : 0.05mm
Auto-identify Substrate Material	---	---	√
Backlight Display	√	√	√
Alarm Buzzer	√	√	√
Zero / Two Point / Basic Calibration	√	√	√
Single / Continuous / Standard Deviation Measurement	√	√	√
Data Storage & Recall	√	√	√
Data Analysis	√	√	√
Max & Min Measuring	√	√	√
AVG & DFR Measuring	√	√	√
Data Storage	15 groups	15 groups	20 groups
Metric / Imperial Switchable	√	√	√
Battery Indication	√	√	√
Auto Power Off	√	√	√
Operation Condition	0°C~40°C (without strong magnetic)		0°C~50°C (without strong magnetic)
GENERAL CHARACTERISTICS & PACKING INFORMATION			
Power	9V battery	9V battery	2*1.5V AAA batteries
Product Net Weight	147g	245g	75g
Product Size	183 x 67 x 30mm	153 x 75 x 35mm	119 x 50 x 30mm
Packing	Aluminum Box	Aluminum Box	Gift box
Std Quantity / Carton	12	12	40
Std Carton Size	52 x 43 x 32.5cm	52 x 43 x 32.5cm	52.5 x 40 x 49cm
Standard Carton Gross Weight	13.5kg	13.5kg	20kg

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Ultrasonic Thickness Gauge
AR850
1.2~225mm

Ultrasonic Thickness Gauge
AR860
1.0~300mm

Film / Coating Thickness Gauge
AR930
0~1800μm

Film / Coating Thickness Gauge
AR931
0~1800μm

Film / Coating Thickness Gauge
AR932
0~1500μm

*The parameters and specifications are based on products sold.