

PEN TYPE ELECTROMAGNETIC ULTRASONIC THICKNESS GAUGES



COUPLING AGENT
IS NOT REQUIRED

MEASUREMENT THROUGH
COATING AND RUST LAYER

WORK AT MAXIMUM 600°C

WITH A AND B SCAN



high temperature probe
(optional)



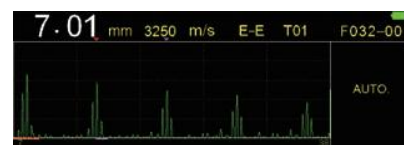
calibration block
(included)

- Measurement without ultrasonic coupling agent, for workpieces with surface temperatures less than 600°C (depending on the probes)
- Compact size, easy to carry, comes with waveform display and full-function keyboard, easy to adjust the measurement parameters
- Non-contact measurement of rough, corroded surfaces without sanding
- Storage of 10000 data and 100 files
- Highly intelligent functions such as alarm for exceeding upper and lower limits, automatic zero calibration, automatic identification of probes, etc.
- Automatic power off
- Suitable for inspection of workpieces of various shapes, such as pipes, small tubes, elbows, etc.

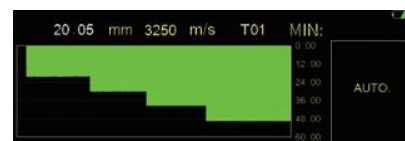


normal temperature
probe (included)

EMU-A100



A-Scan



B-Scan

SPECIFICATION

Code	EMU-A100	EMU-B100
Data output	USB	USB, Bluetooth
Measuring range	refer to the specification of probes	
Resolution	0.01mm	
Accuracy*	$\pm 0.04\text{mm}$ ($H \leq 10\text{mm}$) $\pm (0.04 + H/1000)\text{mm}$ ($10 \leq H < 100\text{mm}$) $\pm H/333\text{mm}$ ($H \geq 100\text{mm}$) H is measuring thickness in mm	
Working gap (the distance between the probe and the measured object)	$\leq 1\text{mm}$	
Gain	automatic and manual gain	
Material velocity	1000~9999 m/s	
Measurement frequency	2 times/second 10 times/second fast measurement mode	
Measuring mode	auto mode, manual mode	
Display	LED, 800×268	
Storage	10000 data stored in 100 files	
Power supply	5V rechargeable lithium battery, 6 hours working time	
Operation temperature	$-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$	
Dimensions	180×35×34mm	
Net weight	300g	

* On C45 carbon steel

STANDARD DELIVERY

Main unit	1 pc
Normal temperature probe	1 pc
Calibration block (8mm)	1 pc
USB cable	1 pc

OPTIONAL ACCESSORY

High temperature probe	EMU-B100-T02
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SPECIFICATION OF PROBES

Code	Magnet	Measuring range	Diameter (Ød)	Working temperature	Applications
EMU-B100-T01 (included)	permanent magnet	1.5~150mm	Ø20mm	$-10 \sim 120^{\circ}\text{C}$	general use, mainly used for fine crystal materials, such as mild steel, aluminum
EMU-B100-T02 (optional)	permanent magnet	1.5~300mm	Ø25mm	$-10 \sim 600^{\circ}\text{C}$	high temperature environment, mainly used for ferromagnetic fine crystal materials, such as mild steel