

ULTRASONIC THICKNESS GAGE PART NO. ISU-810D

PENETRATE COATING AND MEASURE
THE THICKNESS OF SUBSTRATES

WITH A AND B SCAN

DATA
OUTPUT

- Measure the thickness of substrate through coating
- Measuring mode: standard mode (dual element transducer: P-E), penetrate coating mode (dual element transducer: E-E)
- Display mode: real-time color A-scan waveform mode, real-time color B-scan waveform mode, thickness value mode, Min/Max capture mode, difference or reduction rate mode
- Can measure gray cast iron, ductile iron, PE, PVC pipe, fiberglass, 3PE anticorrosive layer pipes, metal pipes, pressure vessels, shaped parts, wall thickness of small pipes etc
- Set the upper and lower limits, and the reading color will change when the limit is exceeded
- One-point calibration and two-point calibration
- Can compensate the non-linearity of the twin-crystal probe by automatic V path correction
- Can store 100000 thickness values and 1000 waveforms
- USB 2.0 port connected to computer for statistics
- Languages: Chinese, English, German, French, Japanese
- Power off: automatic/manual



SPECIFICATION

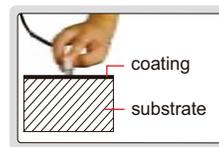
Measuring range	refer to the specification of transducers
Resolution	.01"/.001"
Accuracy	±.002" (H<.4") ±(.05%H+.001") (H≥3.937") H is the thickness to be measured in inch
Display	320×240, color screen display
Measuring frequency	4Hz, 8Hz, 16Hz
Velocity	500~9999m/s
Applicable temperature	-4~122°F
Output	USB
Measuring unit	mm/inch
Power supply	2×1.5V AA batteries
Dimension	6.02×2.99×1.46"
Weight	.61lb (including batteries)

STANDARD DELIVERY

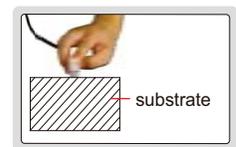
Main unit	1 pc
Transducer ISU-810D-TC510	1 pc
Battery (AA)	2 pcs
Couplant	1 bottle
USB cable	1 pc

OPTIONAL ACCESSORY

Transducer	refer to the specification of transducers
Couplant (for ISU-810D-GT12)	ISU-HT5-COULPLANT



Echo-Echo mode (E-E)



Transmit-Echo mode (P-E)

transducer
ISU-810D-TC550
(optional)



transducer
ISU-810D-P04
(optional)



transducer
ISU-810D-P06
(optional)



transducer
ISU-810D-PT08
(optional)



transducer
ISU-810D-ZT12
(optional)



transducer
ISU-810D-GT12
(optional)



SPECIFICATION OF TRANSDUCERS

Code	Frenquency	Diameter (Ød)	Measuring range	Applicable temperature	Application
ISU-810D-TC510 (included)	5MHz	.53"DIA	.047~15.748"	-14~158°F	normal workpieces
ISU-810D-TC550 (optional)	5MHz	.53"DIA	.039~7.874"	-14~158°F	fiberglass and organic material
ISU-810D-PT04 (optional)	10MHz	.28"DIA	.028~.472"	-14~158°F	small diameter workpieces
ISU-810D-PT06 (optional)	7.5MHz	.34"DIA	.031~1.181"	-14~158°F	curved surface and small workpieces
ISU-810D-PT08 (optional)	5MHz	.43"DIA	.031~3.937"	-14~140°F	normal workpieces
ISU-810D-ZT12 (optional)	2MHz	.67"DIA	.157~20"	-14~158°F	cast iron (coarse grain) and thick workpieces
ISU-810D-GT12 (optional)	3MHz	.59"DIA	.079~3.150"	-4~896°F	workpieces with high temperature