

UAX series UTG is a precision instrument that utilizes the principle of ultrasonic pulse reflection to accurately measure the thickness or sound velocity of materials with good ultrasonic conductivity. Designed for non-destructive testing, the UX400 is ideal for inspecting both metallic and non-metallic materials.

The UAX420 emits an ultrasonic pulse into the test material. When this pulse reflects off the back surface, the instrument calculates the time interval between emission and reflection. Using the known or measured speed of sound, it determines the material's thickness with high accuracy.

FEATURES

- Standardized menu interface
- Measure the material thickness
- Measure the sound speed of the Material
- Support for multiple frequency probes
- Support for a single, continuous measurement



TECHNICAL SPECIFICATION

Measuring Principle	Ultrasonic pulse reflection
Frequency	5 Mhz
Measurement Range	1~400mm (steel)
Sound Speed Range	1000~9999m/s
Resolution ratio	<99.99mm: 0.01 mm >100.0mm: 0.1 mm
Accuracy	1.000~9.99mm: ± 0.10mm 10.00~299.9mm: ±0.5% of reading
Probe Type	PU5-5
Unit	mm, inch
Measurement pattern	3 pcs of 1.5V AA alkaline batteries
Battery	Single measurement mode, continuous measurement mode
Levels of protection	IP40
Operation environment	Temperature: -10~50°C, Humidity: ≤90%RH, no condensation dew
Storage environment	Temperature: -20~60°C, Humidity: ≤90%RH, no condensation dew
Dimension	135 x 72 x 27 mm
Weight	127g (excluding battery)