

DC-2020C Digital Ultrasonic Thickness Gauge



Brief

The DC-2020C Ultrasonic Thickness Gauge is our new state-of-the-art menu-driven instrument with extended memory (5000 readings storage) and USB output capability. Automatic probe recognition, automatic zeroing and a larger, more easily read LCD are other major features. This instrument can measure with very high resolution (0.01 mm or 0.001 inches) the thickness of metallic and non-metallic materials such as steel, aluminum, titanium, plastics, ceramics, glass and any other good ultrasonic wave conductors. The DC-2020C is a quite versatile unit which can be easily equipped with any of the low & high frequency probes as well as a high temperature probe.

Features

- Accurately displays readings in either inches or millimeters
- Simple calibration to either a known thickness or a sound velocity
- Memory - 5000 readings with location identity
- Hi-low limit settings with either audible or visual indication
- Standard or scanning mode

Technical Specifications

- Display type: 4-digit LCD
- Display resolution: 0.001 inches or 0.01mm
- Measuring range: 0.040 to 15.75 inches (1 to 400mm) in steel with standard probe
- Automatic recognition of probes with different frequencies
- Automatic zeroing of the unit
- Large LCD (128 x 64 mm) with back light
- Sound velocity range: 3280-32800 ft/s (1000-9999 m/s)
- Operating temperature: 32 deg F to 122 deg F (0 deg C to 50 deg C)
- Power supply: two AAA batteries
- Battery life: approx. 250 hours with one battery set
- Dimensions: 4-5/8 x 2-3/8 x 1-1/8 inches
- Weight: 7.7 ounces with batteries

Standard Package

- DC-2020C processor,
- Standard 5MHz probe D5008
- Built-in calibration block
- Two AAA batteries
- Software
- USB Cable
- Coupling agent
- Operation manual and calibration certificate
- Carrying case

Standard & Optional Probes

Probe Part #	Frequency (MHz)	Measuring Range	Application
D5008 Standard	5 MHz	0.8 to 400 mm	Standard
D7006 Optional	7.5 MHz	0.65 to 50 mm	Thin materials
D2012 Optional	2 MHz	2.0 to 400 mm	Coarse-grained materials and rough surfaces
D5113 Optional	5 MHz	2.0 to 200 mm	High temperature environment: 350? C max.

