



 Cole-Parmer®

ULTRASONIC THICKNESS GAUGE

CUSTOMIZE SOUND VELOCITIES TO YOUR SPECIFIC TEST MATERIALS

- Automatically calculates and displays results based on preset velocities—including five user-definable materials
- Designed to improve safety and reliability of metallic and nonmetallic materials subject to corrosion or erosion
- Results accurate to ± 0.1 mm are displayed in just seconds
- Store up to ten readings for quick on-site review of data
- Compact, handheld design enhances portability
- Automatic shutoff and low-battery indicator allow longer periods of non-interrupted use
- Fully calibrated to ensure continuous quality performance
- Full-featured, yet economically priced to fit your budget





In the U.S.

625 E. Bunker Court
Vernon Hills, IL 60061
Call toll-free 800-323-4340
Phone: 847-549-7600
Fax: 847-247-2929
www.coleparmer.com

In Canada

Call toll-free 800-363-5900
Phone: 514-355-6100
Fax: 514-355-7119
www.coleparmer.ca

In the United Kingdom

Free phone: 0500-345-300
Phone: 020-8574-7556
Fax: 020-8574-7543
www.coleparmer.co.uk

In India

Phone: 91-22-6716-2222
Fax: 91-22-6716-2211
www.coleparmer.in

International customers

Call 847-549-7600 to reach our International Sales Department or contact your local dealer.

FREE TECHNICAL APPLICATIONS ASSISTANCE!

APPLICATIONS

This Cole-Parmer® thickness gauge is a nondestructive instrument used to determine thickness in metals, plastics, ceramics, glass, and other materials via ultrasonic waves. Ideal for various types of raw materials, component parts, and assembled machinery.

PERFORMANCE SPECIFICATIONS

- For substances that have parallel top and bottom surfaces
- Measurements need only be made from one side of test piece
- The direct contact method of the ultrasonic thickness gauge requires use of a couplant; propylene glycol is common, but many other substances can be used

Frequency: 5 MHz

Operating temperature:

32 to 122°F (-5 to 40°C)

Battery life:

approx 250 hours

Velocity range:

3280 to 32,805 ft/s
(1000 to 9999 m/s)

Display: 4-digit LCD

Dimensions:

2½"W x 5"H x 1"D

Power:

two AA, 1.5 V batteries
(not included)

Catalog number	Range	Resolution	Accuracy
ML-59977-00	0.04 to 8" (1.0 to 225 mm)	0.001"	±0.1 mm

[ML-09376-01](#) Batteries; 1.5 V, AA. Pack of 4

What's included:

Complete with probe, cable, coupling gel, and durable carrying case