



MICROGAGE II

The Microgage II is a simple to use hand-held Precision Thickness Gauge.

The variety of features offered by the MICROGAGE II allows the user to select a quality tool that will exceed their application needs. The Echo-to-Echo capability allows the measurement of the thickness of materials without removing paint or coatings.

The Plastics mode in the Microgage II P, makes this gauge ideal for plastics manufacturing applications, mouldings and production industries.

Designed with the user in mind, the MICROGAGE II utilises state-of-the-art digital technology to produce fast and accurate readings

Plastics Mode available Microgage II P

PACKAGING Is an aluminium sealed case, protecting the unit in the harshest of working environments.

SIZE 63.5 mm W x 120.7 mm H x 31.8 mm D. Small and portable, the Microgage II operates on 2 AA batteries for 150 hours plus.

Features include:

- Alarm Mode
- Differential Mode
- RS232 Data Output port

Echo-to-Echo mode available to measure thin materials. Switches automatically to Interface-Echo mode when measuring thicker materials and plastics.



Measuring Range
From 0.15 to 25.40 mm

Velocity Range
1250 - 10,000 m/sec

Applications include:
Thin Walled Components
Aerospace Industries
Plastics Manufacturing

5 year limited warranty

Ultrasonic Precision Thickness Gauge

Custom transducers available for various applications



Microgage II

Specifications

Physical

Weight: 285 g (13.5 ounces) with batteries.

Size: 63.5 W x 120.7 H x 31.8D mm
(2.5W x 4.75H x 1.25D inches).

Operating Temperature: -30° to 50°C (-20° to 120°F).

Keyboard: Membrane switch with nine tactile keys.

Case: Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed).
Resistant to impact and environmentally sealed.

Display

Multi-function 4.5 digit LCD with 0.500 inch numerals, backlit for use in poor light conditions.

Backlight is selectable: on/off/auto (illuminates only when taking a measurement)

Measurements displayed in millimetres and metres/second; or inches and inches/microsecond

Transducer Types:

Single Element (1 to 20 MHz).

Locking quick disconnect

“00” LEMO connectors.

Standard 4 foot cable.

Custom transducers and cable lengths available.

Measuring

Overall Range:

Measures from 0.15 to 25.40mm (0.0060 to 1.0000 inches)

Switch to select Imperial or metric units.

Resolution:

0.001mm (0.0001 inches)

Velocity Range:

1250 to 10000 m/sec; (0.0492 to 0.3937 in/us)

Power Source:

Three 1.5 alkaline or 1.2V NiCad AA cells.

Typically operates for 150 hours (alkaline) and 100 hours (NiCad).

Display flashes when battery low.

Unit turns off automatically when battery is too low to operate reliably.

Features

Alarm Mode:

Enter a minimum acceptable thickness value. If the measurement falls below the minimum, a red LED illuminates and an alert beeper will sound.

If measurement is above the minimum value a green LED will illuminate.

Differential Mode:

Enter the acceptable thickness value, the unit will display +/- the difference from the value entered.

Data Output

RS232 output sends data to a serial printer, a computer or other external storage devices.

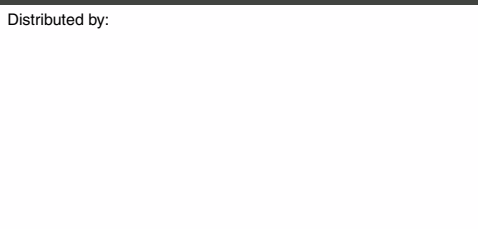
Certification: Factory calibration traceable to national standards.

Warranty 5 year limited



Cert No: Q5036

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