

MICROGAGE II

The **MICROGAGE II** is a simple to use hand-held precision Thickness Gauge designed with the user in mind, producing fast and accurate readings.

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** allows the measurement of the thickness of materials without removing paint or coatings.

The plastics version with graphite tip makes the **Microgauge II/P** an ideal tool for plastics manufacturing applications, mouldings and production industries.



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

SIZE

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

FEATURES include:

- Alarm mode
- Differential Mode
- RS 232 data output port

MEASURING RANGE

From 0.15 to 25.40 mm

ECHO-TO-ECHO MODE

available to measure thin materials.

Switches automatically to **INTERFACE-ECHO MODE** when measuring thicker materials and plastics.

Supplied as a kit, with rugged storage case, transducers and couplant.

Plastics Mode available - Microgauge IIP

SPECIFICATIONS

PHYSICAL

Weight:

285 g with batteries (10 ounces)

Size:

63.5 W 120.7 H x 31.8 D mm
2.5 W" x 4.75" H x 1.25" D

Operating Temperature:

-30° to 50° C (-20° to 120° F)

Case:

Extruded aluminium body with nickel plated aluminium end caps.

Resistant to impact and environmentally sealed.

KEYPAD

Sealed membrane resistant to both water and petroleum products.

Nine tactile-feedback keys.

TRANSDUCERS

Single element with delay tip
10 - 22 MHz frequency range.

Locking quick disconnect.

LEMO connector.

4 foot cable.

Customised transducers for plastics mode are built with differing acoustic impedance to plastic.

Custom transducers available for special applications.



Cert No: Q5036



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MEASURING

Overall Range:

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

Switch to select English or metric units.

Resolution:

0.001 mm (0.0001 inches)

Velocity Range:

1250 to 10,000 m/sec
(0.0492 to 0.3937 in/ μ s)

FEATURES

DIFFERENTIAL MODE

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

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 illuminates.

DATA OUTPUT

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

WARRANTY

5 year limited

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.

Bar graph to indicate reading stability.

POWER SOURCE

Two 1.5V alkaline or 1.2V NiCad AA cells.

Typically operates for 150 hours on alkaline batteries and 100 hours on NiCad batteries.

Display flashes when battery is low.

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

CERTIFICATION

Factory calibration traceable to national standards.



A Sonatest NDE Group Company

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