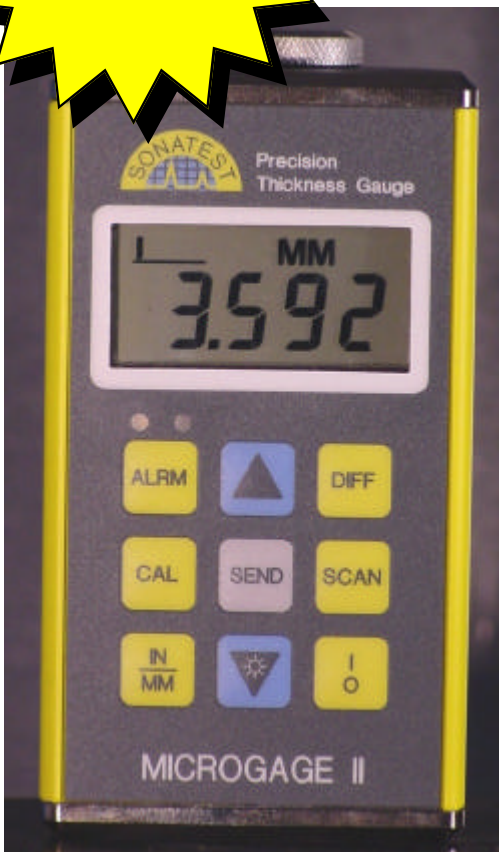


# MICROGAGE II

**NEW**  
**Plastics Mode**



Introducing the **MICROGAGE II** the new precision thickness gauge from the Sonatest Group.

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

**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

RS 232 data output port

## MEASURING RANGE

Standard Mode

From 0.15 to 25.40 mm

Plastics Mode

From 0.15 to 1.5 mm

**ECHO-TO-ECHO MODE** available to measure thin materials.

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



**THE STANDARD HAS BEEN SET!**

# MICROGAGE II

The new **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 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.

## 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.**

### CERTIFICATION

Factory calibration traceable to national standards

### 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.

### 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.

### 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/ $\mu$ s)

### MEASURING MODES

**Interface to Echo, Echo-to-Echo** (through paint) and **Auto –Switchable**

Four readings per second for single point measurements or 8 per second in **Scan Mode**—captures the minimum thickness.

Single point calibration

### 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**



For further information contact:

**Sonatest Plc**

Dickens Road, Old Wolverton,  
Milton Keynes, MK12 5QQ, UK.

Tel: +44(0)1908 316345

FAX: +44(0)1908 321323

**Email: [sales@sonatest-plc.com](mailto:sales@sonatest-plc.com)**

**Distributed by:**