

SI- Series Ultrasonic Micrometer



[SI-Series Brochure](#)
PDF Version

[SI-Series Instructic](#)
PDF Version



- The hand held SI-Series Ultrasonic Micrometer are affordable precision tools that require special training to operate.
- Simply touch the probe to one side of the material and the SI-Series tell you its thickness. Move the probe along the surface of the material and the SI-Series will automatically scan for the thinnest reading.
- The SI-Series are lightweight, rugged tools that are resistant to water and oil. Other features include a backlight LCD and a bar graph to indicate signal strength.
- The SI-Series are protected by the longest warranty in the business 5 full years.
- The SI-Series can go where you go, to do the work you do, saving you time and money. Fast, accurate measurements.

SOME OF THE APPLICATIONS

- Cylinder Bores
- Ported Heads
- Roll Cages
- Non-Destructive Testing
- Corrosion and Pitting
- Tube and Pipe
- Tanks
- Boiler Tubes
- Glass
- Possibilities Unlimited

THE SI SERIES: TECHNOLOGY WITH A PURPOSE

- With the hand held SI-Series **Ultrasonic Micrometer**, you can make reliable measurements or scan a length of material for its thinnest point.
- The tool's backlight display is easy to read, even in dim light, and the unit operates for up to 200 hours on a single set of batteries.
- The SI-Series come complete, ready to use and are protected by Sabern Instruments, Inc. 5 year limited warranty.

SPECIFICATIONS

Made of
Extruded Aluminum Body

Physical:

Weight:
10 Ounces (285 grams)
with batteries

Size:

2.5 W x 4.5 H x 1.24D
inches
63.5 W x 114.3 H x 31.5D
mm

Operating Temperature:

-20 to 120F (-30 to 50 C)

Case:

Made of Extruded
Aluminum Body with
Nickel-Plated Aluminum
and Caps (gasket sealed)

Keypad:

Sealed membrane that is
resistant both water and
petroleum products. Six
tactile-feedback keys.

Locking quick disconnect LEMO
connectors. 4 foot cable. Custom
transducers available for special
applications.

Power Source:

Two 1.5V alkaline or 1.2V NiCad AA cells.
Typically operates for 200 hours on
alkaline and 130 hours on NiCad. Display
flashes when battery is low. Unit turns off
automatically when battery is too low to
operate reliably.

Display:

Multi-function 4.5 digit liquid crystal display
with 0.500inch numerals, backlight for use
in poor light conditions.
Backlight is selectable on/off /auto
(illuminates only when taking a
measurement).
Measurements displayed in
inches, inches/microsecond, millimeters, and
meters/second.
Bar graph indicates stability of reading.

Warranty:

5 year limited.

Resolution:
0.001 inch (0.01
millimeter)
Velocity Range:
0.0492 to 0.3937in/μs.
1250 to 10000
meters/second

Built-in:
0.250 inch (6.35
millimeter)
reference for probe
zeroing.
Four readings per
second for single point
measurements or
16 per second in Scan
Mode captures the
minimum
thickness.
Single and two point
calibration option
included.

**Certificate of
calibration:**
Factory calibration

Transducer:

Dual-element (transmit and receive). 1 to 10 MHz frequency range.

Measuring:

Range:
Measure from 0.025 to 19.999 inches
(0.63 to 500 millimeters)
switch to select English or metric units.

traceable
to national standards.

Packing:

The SI-Series are supplied with Gage, Standard Transducer, Couplant, Manual Instruction, Foam-fitted hard plastic carrying case, Certificate of Calibration and 2 AA alkaline batteries.



Brochure
(SI-Series)
PDF version

Sabern Instruments, Inc.

2170 Greenkeepers Court Reston, Virginia 20191 USA Tel : 703-860-2244 Fax : 703-716-5904

Website: <http://www.saberninst.com>

E-mail: info@saberninst.com