

Sabern Instruments, Inc.

Member of : ASNT, ASQ, ASM, and and AESF



SI-1 , SI-2

MADE IN USA

SI SERIES (SI-1, SI-2) ULTRASONIC MICROMETER

- The hand held SI Series Ultrasonic Micrometer are affordable tools that require no special training to operate.
- Simply touch the probe to one side of the material and the SI Series tell You its thickness or, drag the probe along the surface of the material and the SI Series will automatically scan the area for the thinnest reading.
- The SI Series are lightweight, rugged tool that are resistant to water and oil. Other features include a backlit 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 time and money, making fast, accurate measurements.

5

Year Warranty

CE approved

Sabern Instruments, Inc.

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 (SI-1, SI-2) **Ultrasonic Micrometer**, you can make reliable measurements or scan a length of material for the thinnest point.

The tools' 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 (SI-1, SI-2) come complete, ready to use and are protected by Sabern Instruments, Inc. 5 year limited warranty.

SPECIFICATIONS

SI-1: Made of
Durable ABS Plastic Case
SI-2: Made of
Extruded Aluminum Body

Physical:

Weight:

SI-1: 7Ounces (200 grams)
with batteries

SI-2: 10 Ounces (285 grams)
with batteries

Size:

SI-1: 3.25 W x 6.0 h x 1.35D
inches

82.5W x 152.4 H x 34.3D mm.

SI-2: 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.

Transducer:

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

Measuring:

Range:

Measure from 0.025 to 19.999
inches
(0.63 to 500 millimeters)

Resolution:

0.001 inch (0.01 millimeter)

Velocity Range:

0.0492 to 0.3937in/ μ s.

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 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.

Sabern Instruments, Inc.

2170 Greenkeepers Court Reston, Virginia 20191 USA

Phone : (703) 860 - 2244

Fax : (703) 716 - 5904

www.saberninst.com

E-mail : info@saberninst.com