

# T-MIKE BASIC SPECIFICATIONS

## PHYSICAL DESCRIPTION

2.5 inches wide (64 mm)  
 4.5 inches long (114 mm)  
 1.25 inches deep (33mm)  
 11 ounces (312 grams)  
 Environmentally sealed aluminum case  
 Water resistant keypad

## POWER SUPPLY

4 AA Alkaline or NiCad batteries  
 Interchangeable and easy to access  
 300 hours operating time  
 80 hours with backlight

## MATERIALS

Preset calibrations for steel, stainless steel, aluminum, cast iron and plexiglass

## MEASURING RANGE

0.025"–19.999" / 0.635 mm–500 mm  
 depending on transducer, surface condition, temperature and material

## DISPLAY RESOLUTION

0.001 inches / 0.01 mm

## OPERATING TEMPERATURE

0°F to 300°F / –18°C to 150°C

## DISPLAY

4 1/2 digit amber backlit LCD  
 1/2 inch high digits  
 Coupling indicator  
 English/Metric selectable  
 IN or MM displayed  
 Display flashes to indicate battery replacement

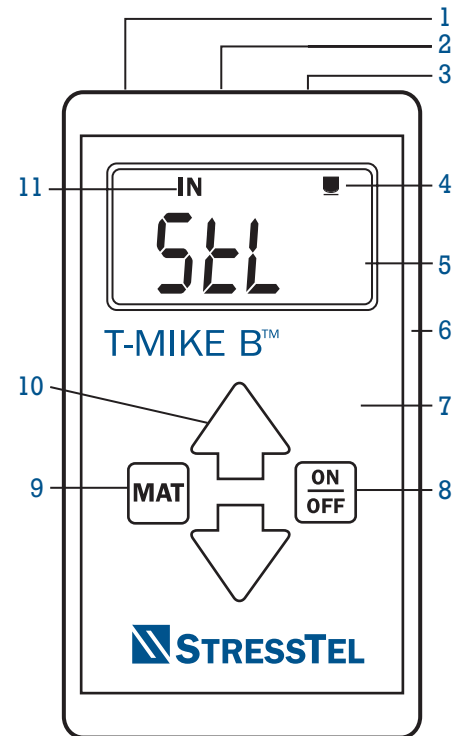
The StressTel T-Mike Basic is a compact, easy-to-use and rugged ultrasonic thickness gauge. Set-up is fast and easy; the operator simply selects from five preset materials - steel, aluminum, stainless steel, cast iron and plexiglass - auto-calibrates and starts testing. A custom material can also be added by connecting the T-Mike B to a T-Mike E thickness gauge or to your computer.

Ergonomically designed to fit comfortably in your hand, the T-Mike B is built to last, with an environmentally sealed water-resistant case and keypad.

## WARRANTY

The T-Mike B is manufactured in an ISO 9001 facility. All T-Mike corrosion thickness gauges have a full two-year warranty on parts and labor excluding batteries, transducer and cable.

**Specifications subject to change without notice.**



- 1 Lemo quick-disconnect connectors
- 2 Battery charger connector/data port
- 3 Built-in auto-probe zero block
- 4 Coupling indicator
- 5 Backlit LCD indicates modes, measurements and icons
- 6 Lightweight aluminum case
- 7 Weather resistant sealed keypad
- 8 **POWER** key
- 9 One step material calibration key
- 10 Arrow keys for material selection
- 11 Operator selectable Metric or English units

## Transducer Specifications

Application	ID	Measuring Range		Size Frequency	Case	Cable
General Purpose	20006-02	0.025" to 2.000"	0.60mm to 50mm	1/4" 7.5MHz	Knurled	Potted - 4ft
General Purpose	20001	0.040" to 5.000"	1.00mm to 125mm	1/4" 5MHz	Knurled	Potted - 4ft
General Purpose	20064	0.040" to 5.000"	1.00mm to 125mm	1/4" 5MHz	Flex Grip	Potted - 4ft
Extended Wear	20001-03	0.040" to 5.000"	1.00mm to 125mm	1/4" 5MHz	Knurled	Potted - 4ft
High Resolution	20006	0.040" to 5.000"	1.00mm to 125mm	1/4" 5MHz	Knurled	Potted - 4ft
Thin Steel	20004	0.040" to 3.000"	1.00mm to 76mm	3/16" 5MHz	Knurled	Potted - 4ft
Plate Aluminum	20000	0.040" to 4.000"	1.00mm to 102mm	1/4" 10 MHz	Knurled	Potted - 4ft
General Purpose	SL450	0.060" to 8.000"	1.50mm to 200mm	3/8" 5MHz	Bell Housing	MD Connector
Cast Iron	20002	0.075" to 4.000"	2.00mm to 102mm	1/2" 2.25 MHz	Knurled	Potted - 4ft
High Temperature	20008	0.040" to 4.000"	1.00mm to 102mm	1/4" 5 MHz	Insulated	Potted - 4ft

Contact StressTel for our full range of transducers

## Select from StressTel's complete range of T-Mike Corrosion Thickness Gauges

T-Mike Programmable  
 T-Mike B with 5 preset materials  
 T-Mike E for general purpose testing  
 T-Mike ES for high speed scanning  
 T-Mike EL with datalogger

Visit our home page at  
<http://www.stresstel.com>