

T-MIKE EL SPECIFICATIONS

PHYSICAL DESCRIPTION

2.5 inches wide (64 mm)
 6.0 inches long (152 mm)
 1.25 inches deep (33mm)
 14 ounces (397 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

Fast and easy calibration for wide variety of metals and plastics including steels, stainless steels, 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

SPECIAL FEATURES

Scan Mode: Allows operator to scan an area and display minimum thickness

Alarm: Red LED illuminates to indicate readings falling below set value

Send: Allows operator to send thickness readings and files over RS232 data port

Diff Function: Indicates positive (+) or negative (-) difference to preset thickness value

B-Scan: Graphical representation of thickness over time

DATA-LOGGING

Stores over 40,000 readings in over 100 operator defined files
 Grid or sequential file format
 Alpha-numeric identification of files, readings and comments
 Readings with statistics documented in direct reports or with DataTel software

WARRANTY

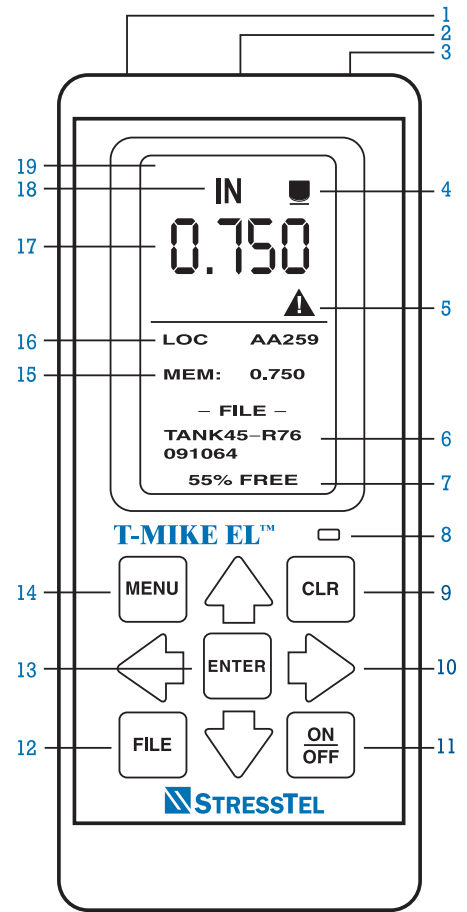
The T-Mike EL is manufactured in an ISO 9001 facility. All T-Mike Corrosion Thickness Gauges have a full two-year warranty on parts and labor excluding batteries, transducer and cable.

Specifications subject to change without notice.

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



- 1 Lemo quick-disconnect connectors
- 2 Bi-directional RS232 data port/battery charger connector
- 3 Built-in auto-probe zero block
- 4 Coupling indicator
- 5 Icon indicates active alarm
- 6 Current data file
- 7 Amount of memory available
- 8 Red alarm LED indicator
- 9 Clears stored reading and entire memory
- 10 Arrow keys for changing location within a file
- 11 **POWER** key
- 12 Accesses files
- 13 Stores readings
- 14 Accesses calibration and memory modes
- 15 Stored thickness reading
- 16 Reading location
- 17 Digital thickness reading
- 18 Operator selectable Metric or English units
- 19 Backlit LCD indicates modes, measurements, icons and B-scan

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