



"Your Direct Source for Plant Maintenance, Reliability, Test & Measurement"

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# T-MIKE EM™ SPECIFICATIONS

## KIT INCLUDES

- Instrument
- Two 1.5V AA Alkaline Batteries
- Hard Shell Carry Case
- Transducer
- Couplant
- Operating Manual
- Certificate of Calibration



## SPECIAL FEATURES

- THRU PAINT Mode – EM+ only
- Environmentally Sealed Housing
- Automatic Probe Recognition
- Continuous Automatic Probe Zero
- Automatic or Manual Gain Control
- Hi Limit Alarm Mode
- Lo Limit Alarm Mode
- Min Capture Scan Mode
- Differential Mode
- Automatic Timed Shutoff
- Extended Measurement Range
- Auto Backlight Mode
- Known Thickness Calibration
- Known Velocity Calibration
- Tactile Sealed Membrane Keypad
- User Selectable Measurement Units
- Instrument Lanyard

## PHYSICAL DESCRIPTION

- 3.00 inches wide (76 mm)
- 5.75 inches long (146 mm)
- 1.35 inches deep (35 mm)
- 10.6 ounces (300 grams)

## POWER SOURCE

Qty 2, 1.5V AA Alkaline Batteries

## MEASURING RANGE\*

0.025 inches to 19.999 inches  
(0,635 mm to 508 mm)

## DISPLAYED RESOLUTION

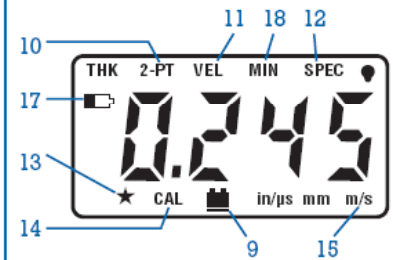
0.001 up to 9.999 inches, 0.01 above  
(0,01 up to 99,99 mm, 0,1 above)

## OPERATING TEMPERATURE

10°F to 120°F  
(-12°C to +50°C)

## MIN CAPTURE UPDATE RATE

16 MHz



- 1 Power Key
- 2 Increase value within **CAL** or **SETUP**
- 3 Decrease value within **CAL** or **SETUP**
- 4 **SETUP** key to change operating modes
- 5 Initiates **CAL** function and changes **SETUP** Modes
- 6 Set backlight to **AUTO** or **OFF**
- 7 Initiates Min Capture **Scan** Mode
- 8 Toggles between **THRU PAINT** and normal IP Mode\*
- 9 Coupling Indicator
- 10 2-point **CAL** Mode indicator
- 11 Velocity **CAL** Mode indicator
- 12 **THRU PAINT** Mode indicator\*
- 13 Probe Recognition indicator
- 14 **CAL** Mode indicator
- 15 Metric or Imperial Units
- 16 Alarm Indicator
- 17 Battery Indicator
- 18 **SCAN** Mode Indicator

## TRANSDUCER SPECIFICATIONS (Auto Probe Recognition)

| Application                                     | Part Number | Measuring Range*  | Size/Frequency |
|---|-------------|---|----------------|
| Hi-Performance IP Mode<br>OR<br>THRU PAINT Mode | 063-200-098 | 0.040" to 10.00"<br>(1,00mm to 254mm)<br><br>0.125" to 8.00"<br>(3,28mm to 127mm) | ½" 5 MHz       |
| Hi-Sensitivity IP Mode                          | 063-200-101 | 0.025" to 2.000"<br>(0,64mm to 50mm)  | ¼" 7.5MHz      |

\* Material and application dependent

\*\* Specifications subject to change without notice

\* EM+ Model Only



## Innovative packaging and increased performance without sacrificing simplicity.

Introducing the **StressTel T-Mike EM™** series thickness gauges. Innovative packaging and increased performance without sacrificing simplicity. The **T-Mike EM™** gauges are packaged in an environmentally sealed armored case ergonomically designed for single hand operation. Automatic Probe Zero with no probe zero block and Automatic Gain Control further support StressTel's goal of providing very capable yet simple to use instruments. The ultrasonic performance of the **T-Mike EM™** is unrivaled by its competitors – stable readings are achieved in carbon steel from .025" to 20" thick. And YES the **T-Mike EM™** is available with THRU PAINT Mode using the latest multi-echo measurement techniques to allow the operator to obtain accurate wall thickness readings without scraping paint.

Reliability Direct, Inc.

Visit our e-commerce stores for plant maintenance and reliability:  
[www.reliabilitydirectstore.com](http://www.reliabilitydirectstore.com), [www.extech-direct.com](http://www.extech-direct.com)