

PRECISION GAUGES

TM1-D PLUS, TM1-CD AND TM1-CDL



StressTel TM1 precision thickness gauges combine thickness measurement capability down to 0.010 inch/0.25mm in steel and 0.005 inch/0.13mm in plastic with 0.0001 inch/0.001mm display resolution.

Choose from the TM1-D PLUS for measurement of thin steel, the TM1-CD with thickness measurement capability to 15 inches/380mm, or the TM1-CDL with on-board datalogger.

All TM1 gauges have inspector preferred features including alarm limits, differential display, and a rugged metal case.

Each StressTel TM1 precision thickness gauge is manufactured in an ISO 9001 facility and has a full 2 year warranty.

 **STRESSTEL**
ULTRASONIC TESTING EQUIPMENT

www.stresstel.com

TM1 SPECIFICATIONS

PHYSICAL DESCRIPTION

3.5 inches wide (89 mm)
6.3 inches long (160 mm)
1.5 inches deep (38 mm)
18 ounces (509 grams)

POWER SUPPLY

4 AA alkaline batteries
Interchangeable and easy-to-access
40 hours operating time

MATERIALS

Fast and easy calibration for wide variety metals and plastics including steels, stainless steels, aluminum, and plexiglass.

MEASURING RANGE

Delay Mode: 0.0100"-1.000"/0.25-25mm
(in mild steel)

TM1-CD and CDL Only

Contact Mode: 0.080"-15.00"/2.00mm-380mm
Plastic Mode: 0.0050" minimum/0.13mm

DISPLAY RESOLUTION

Delay Mode: 0.001",0.0001"/0.001mm

TM1-CD and CDL Only

Contact Mode: 0.01",0.001"/0.001mm
Plastic Mode: 0.001",0.0001"/0.001mm

OPERATING TEMPERATURE

10°F to 120°F/-10°C to 50°C

DISPLAY

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

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Measurement Mode	TM1-D PLUS	TM1-CD	TM1-CDL
Delay Mode	✓	✓	✓
Contact Mode		✓	✓
Plastic Mode		✓	✓
Datalogging Capability			✓

TM1-CDL DATALOGGING

1200 thickness readings
99 configurable datafiles
Direct printer reports with individual thickness readings and statistics
Software provided to download thickness readings to PC for analysis

WARRANTY

All TM1 thickness gauges are manufactured in an ISO 9001 facility and have a full two-year warranty on parts and labor excluding batteries, transducer and cable.

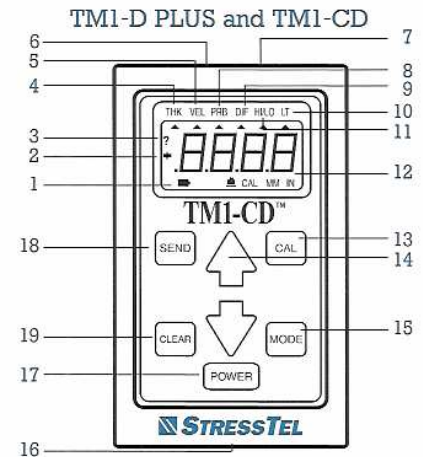
Specifications subject to change without notice.

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

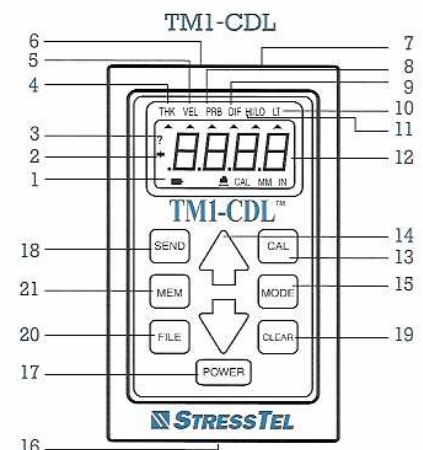
TM1 TRANSDUCER SPECIFICATIONS

Application	ID	Measuring Range		Size Frequency	Case	Cable
General Purpose	20034	0.080" to 15.00"	2mm to 381mm	1/8" 5 MHz	Knurled	MD Connector
General Purpose	20034-01	0.080" to 2.00"	2mm to 51mm	1/8" 5 MHz	Knurled	MD Connector
General Purpose	20035-01	0.080" to 9.999"	2mm to 254mm	1/8" 10 MHz	Knurled	MD Connector
Thin Materials	20029-01	0.010" to 1.000"	.254mm to 25mm	1/8" 15 MHz	Knurled	MD Connector
Thin Plastics	20035	0.005" minimum	.127mm minimum	1/8" 22 MHz	Knurled	MD Connector
Thin Steel	20030	0.010" to 0.200"	.254mm to 5.1mm	1/8" 20 MHz	Knurled	MD Connector

Custom probes available for specific applications; contact StressTel Customer Service for details.



1. Low battery indicator
2. Indicates displayed value outside tolerance limit
3. Over range indicator, exceeding available digits
4. Thickness measurement mode
5. Material velocity mode
6. Serial RS232 port and SPC connector
7. Lemo quick-disconnect connector
8. Probe selection mode
9. Differential offset measurement mode
10. Backlight control mode
11. Hi/Lo tolerance limits/alarm set-up mode
12. Backlit display
13. Activates scrolling keys to set THK, VEL, PRB, DIF, HI/LO, and LT mode options
14. Scrolling keys
15. Selects operating mode: THK, VEL, PRB, DIF, HI/LO, and LT
16. Built-in probe zero block
17. POWER
18. SEND readings to PC or printer
19. CLEAR display and erase/reset memory of data logger
20. Activates scrolling keys to select file and set number of files
21. Provides access to selected file



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2790 West College Avenue, State College, PA 16801-2605
PH: (814) 861-6300 FAX: (814) 861-6330