DANATRONICS NDT Made Easy

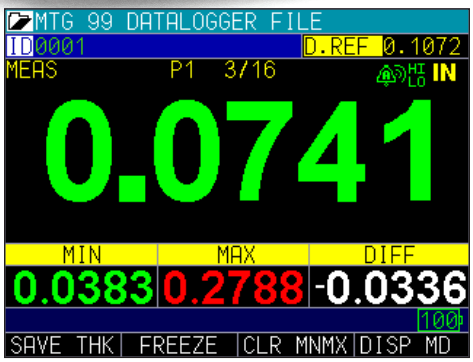
MTG 99

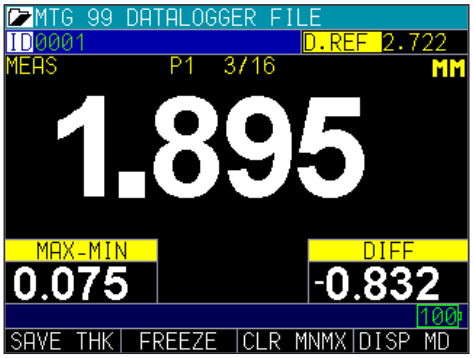
Hall Effect Thickness Gage

- Measures the Thickness of All Nonferrous Materials
- Nondestructive Measurements
- 0.0001" to 1" Thickness Range
- Minimum Thickness Capture with Vibrate on Alarm
- Datalogger with Interface to Microsoft Excel™
- Made in USA









Specifications MTG 99

GENERAL

Overall Dimension: 7.25" L x 4.00" W x-2.00" H (184mm x 101.6mm x 50.8mm)

Weight: 1.15 lbs (.52 kg) with internal Li-Ion battery

Operation temperature: -4 to 122F (-20 to 50C)

Keypad: Illuminating rubber keypad

Languages: English, French, German, Spanish, Italian, Russian, Czech, Finnish, Chinese, Japanese, Hungarian

Data Storage: Onboard & removable up to 32 GB MicroSD card

Battery Life: 16 h (lithium-ion) (TBD)

AC Power Requirements: AC Mains: 100 VAC to120 VAC, 200 VAC to 240 VAC

Display Type: 3.5" high resolution color TFT display, 320 x 240 pixels (1/4 VGA), sunlight readable, including multiple color pallets

Backlight: Light Emitting Diode (LED) backlight. Includes variable light intensity.

Display Dimensions: (W x H, Diag.) 2.76 in. x 2.07 in., 3.5 in. (70.08 mm x 52.56 mm, 88.9 mm)

Min/Max Capture Mode: Captured at 60 Hz measurement rate

Display Formats: 4 modes; Thickness only, Thickness with 3 additional customizable choices, Thickness and Strip chart, Grid View

Display Update Rate: 4, 8, 16 and 20 Hz

Alarm: High and Low alarms with vibrate feature

Thickness Range: 0.0001"-1.00" (0.001-25.4 mm) of any non-ferrous material with access to both sides

Resolution: 0.01 in. (0.1 mm), 0.001 in. (0.01 mm), 0.0001 in. (0.001 mm), (depending on thickness range)

Data Logger: Internal file-based alphanumeric data logger

Memory Card: Maximum capacity: 32 GB removable MicroSD memory card

Shutoff: selectable 1-31 minutes or "Never" shut off

INPUTS/OUTPUTS

USB 2.0 peripheral port

RS-232 (Optional)

Bluetooth (optional): Send and receive readings and files via bluetooth.

Available on iPhones, Androids, iPads and tablets via the App store or Google Play

ENVIRONMENTAL TESTING: Designed for IP67

PROBE

PR-1 Standard straight probe 3.25 in. (82.75 mm) long and 0.827 in. (21 mm) dia.

STANDARD INCLUSIONS

MTG-99 Magnetic Thickness Gage including: PR-1 probe, calibration kit (MTG-CAL-KIT), 2 piece stand to hold probe (MTG-2PS), Stand (MTG-SC), charger adapter with USB cable (ECHO-CA) transport case (MTG-TC), MTG-Cable coiled cable for PR-1, datalogger with 2 Gb of MicroSD card memory and Data XL interface program to send saved readings to Micorsoft excel.*

*Standard inclusions may vary depending on your location. Contact your local distributor.

OPTIONAL ACCESSORIES

ER-ACC-KIT: Extended range calibration kit

ECHO-CA: External power supply with charger

TG-FS: modification of MTG-99 to accept footswitch (footswitch not included) Remote footswitch

FS-09: Footswitch

MTG-CABLE: Coiled cable for PR-1

PR1-WC: Replaceable wear cap for PR-1

PR1-CWC: Chisel tip wear cap for PR-1

PR1-EWC: Extended wear cap for PR-1

BT-062: Target balls 1/16 in. (1.58 mm)

BT-125: Target balls 1/8 in. (3.17 mm)

BT-187: Target balls 3/16 in. (4.76 mm)

BT-250: Target balls 1/4 in. (6.35 mm)

MBT-187: Magnetic target balls 3/16 in. (4.76 mm)

MBT-250: Magnetic target balls 1/4 in. (6.35 mm)

ACC-ER-KIT: Extended calibration kit

CAL-NIST: NIST-traced calibration standards (set of six)

Stand with Heavy Duty Bail: Variable angle stand includes rubber boot with wrist strap

The MTG 99 offers an expanded list of target options to greatly extend its measurement capability.

Targets	Min Thickness	Max Thickness	Accuracy	
PR-1			**Basic Calibration**	**Multipoint**
1/16 in. (1.58 mm) ball (BT-062)	0.0001 in. (0.001 mm)	0.080 in. (2.03 mm)	4%	3%
1/8 in. (3.17 mm) ball (BT-125)	0.0001 in. (0.001 mm)	0.240 in. (6.1 mm)	4%	2%
3/16 in. (4.76 mm) ball (BT-187)	0.0001 in. (0.001 mm)	0.360 in. (9.1 mm)	3%	1%
1/4 in. (6.35 mm) ball (BT-250)	0.0001 in. (0.001 mm)	0.360 in. (9.1 mm)	3%	1%
3/16 in. (4.76 mm) magnetic ball (MBT-187)	0.160 in. (4.06 mm)	0.750 in. (19.05 mm)	3%	1%
1/4 in. (6.35 mm) magnetic ball (MBT-250)	0.160 in. (4.06 mm)	1.00 in. (25.4 mm)	3%	1%

Note: Measurement Tolerance = [(accuracy x thickness)+(0.0001 in. or 0.003 mm)]

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