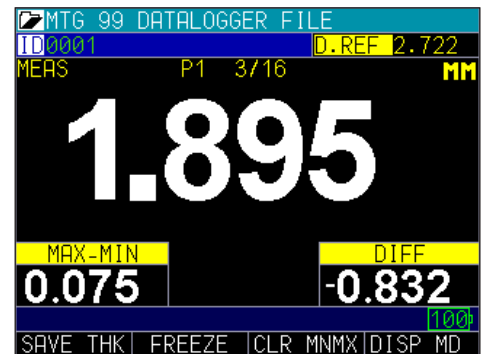
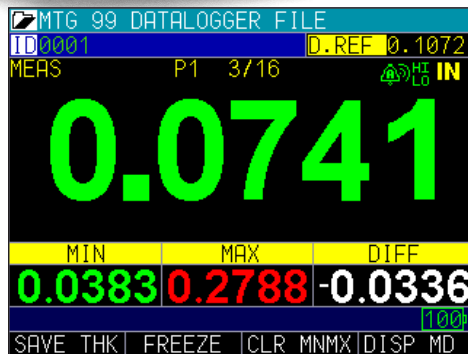


## MTG 99

### 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 to 120 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

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

| Targets                                    | Min Thickness         | Max Thickness        | Accuracy          |            |
|--------------------------------------------|-----------------------|----------------------|-------------------|------------|
|                                            |                       |                      | Basic Calibration | Multipoint |
| PR-1                                       |                       |                      |                   |            |
| 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)]



**Danatronics Corporation**, 150A Andover St., Suite 8C, Danvers, MA 01923  
Tel: 978-777-0081 • Fax: 978-777-3798 • [www.danatronics.com](http://www.danatronics.com)

**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 Microsoft 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

**Z-CHECK**  
CORPORATION

35560 Grand River Ave, #420  
Farmington Hills, MI 48335  
P: 248-676-1007 / E: [sales@z-checkcorp.com](mailto:sales@z-checkcorp.com)  
Website: [www.z-checkcorp.com](http://www.z-checkcorp.com)