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Lyman 7832248

Lyman Electronic Digital Trigger Pull Gauge User Manual

Model: 7832248



1. INTRODUCTION

Thank you for choosing the Lyman Electronic Digital Trigger Pull Gauge. This state-of-the-art instrument is designed to provide fast, accurate, and consistent measurements of trigger pull weight for various firearms. Utilizing advanced strain gauge technology, it offers precision up to 1/10 ounce (2 grams), making it an essential tool for target shooters, gunsmiths, hunters, and anyone seeking to optimize their firearm's trigger performance.

This manual provides detailed instructions on the setup, operation, and maintenance of your new trigger pull gauge. Please read it thoroughly before use to ensure safe and effective operation.

2. PRODUCT OVERVIEW

The Lyman Digital Trigger Pull Gauge features an ergonomic design for comfortable handling and a large, easy-to-read LCD display for clear results. It supports measurements in both pounds/ounces and grams/kilograms, with the ability to store and average up to 10 readings for enhanced accuracy.





Figure 2.1: Front view of the Lyman Electronic Digital Trigger Pull Gauge.

Key Features:

- **High Accuracy:** Measures trigger pull weight with precision up to 1/10 ounce (2 grams).
- **Wide Measurement Range:** Capable of reading up to 12 lbs (5.4 kg).
- **Digital Display:** Large, clear LCD for easy reading of measurements.

- **Unit Conversion:** Easily switch between pounds/ounces and grams/kilograms.
- **Average Function:** Calculates the average of multiple trigger pull readings (up to 10).
- **Ergonomic Design:** Comfortable grip for stable and consistent measurements.
- **Adjustable Rod:** Features a versatile rod that can be positioned for optimal trigger engagement.

3. SETUP

Before using your trigger pull gauge, ensure it is properly set up.

3.1 Battery Installation

The gauge requires two AAA batteries (not included).

1. Locate the battery compartment on the back of the gauge.
2. Slide open the battery compartment cover.
3. Insert two AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.





Figure 3.1: The Lyman gauge with its measurement arm extended.

3.2 Attaching the Measurement Rod

The measurement rod is designed for flexibility and can be adjusted for various trigger types.

1. Locate the small hole at the top of the gauge.
2. Insert the straight end of the measurement rod into this hole.
3. The rod can be rotated to position the 90-degree hook either downwards or sideways, depending on your preference and the firearm's trigger guard.

4. OPERATING INSTRUCTIONS

Safety First: Always ensure the firearm is unloaded and clear of ammunition before performing any trigger pull measurements. Point the firearm in a safe direction.

4.1 Basic Measurement

1. **Power On:** Press the **READY** button to turn on the gauge. The display will show "888.888" briefly, then "0.00".
2. **Select Units:** Press the **LBS/GM** button to toggle between pounds/ounces (LBS/OZ) and grams/kilograms (GM/KG).
3. **Position the Gauge:** Hook the roller of the measurement rod around the firearm's trigger. Ensure the gauge is held firmly and consistently for accurate readings.
4. **Take Reading:** Slowly and smoothly pull the gauge away from the firearm until the trigger releases. The display will show the peak pull weight.
5. **Reset:** Press the **READY** button again to clear the display and prepare for a new reading.



Figure 4.1: Proper technique for measuring trigger pull on a rifle.

4.2 Using the Average Function

The average function allows you to take multiple readings and get a consistent average, which is ideal for evaluating trigger performance over several pulls.

1. **Start:** Press the **READY** button to turn on the gauge and reset it to "0.00".
2. **Take Multiple Readings:** Perform several trigger pull measurements as described in Section 4.1. After each pull, the gauge will hold the reading. Press **READY** to clear and prepare for the next reading. The gauge automatically stores up to 10 readings.
3. **Calculate Average:** After taking your desired number of readings (up to 10), press the **AVG** button. The display will show the average of all stored readings.
4. **Clear Readings:** To clear all stored readings and the average, press the **CLR** button.

4.3 Official Product Video: Operation Overview

Your browser does not support the video tag.

Video 4.1: This official video from Lyman Products demonstrates the basic operation and average function of the Digital Trigger Pull Gauge, including battery installation and unit selection.

5. MAINTENANCE

Proper care will ensure the longevity and accuracy of your Lyman Digital Trigger Pull Gauge.

- **Cleaning:** Wipe the gauge with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the display or housing.
- **Storage:** Store the gauge in its protective case (if included) in a dry, cool place away from direct sunlight and extreme temperatures.

- **Battery Replacement:** If the display becomes dim or erratic, replace the batteries. Remove batteries if the unit will not be used for an extended period to prevent leakage.
- **Handle with Care:** Avoid dropping the gauge or subjecting it to strong impacts, as this can affect its calibration and internal components.



Figure 5.1: The Lyman gauge stored securely in its protective case.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Gauge does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with fresh AAA batteries.
Inconsistent or inaccurate readings.	Improper holding technique; gauge not reset; external interference.	Ensure consistent pull. Press READY to reset before each measurement. Avoid vibrations or sudden movements.
Display shows "ERR" or other error codes.	Overload; internal malfunction.	Ensure pull weight does not exceed 12 lbs (5.4 kg). If error persists, contact customer support.

Problem	Possible Cause	Solution
Average function not working correctly.	Readings not cleared; too many readings.	Press CLR to clear previous readings before starting a new average sequence. The gauge stores up to 10 readings for averaging.

7. SPECIFICATIONS

- **Brand:** Lyman
- **Model Name:** 7832248
- **Material:** Aluminum
- **Item Dimensions (L x W x H):** 4.88 x 1.97 x 0.87 inches
- **Item Weight:** 12.8 ounces
- **Screen Size:** 12.4 Centimeters
- **Measurement Range:** Up to 12 lbs / 5.4 kg
- **Accuracy:** 1/10 ounce / 2 grams
- **Power Source:** 2 x AAA Batteries (not included)
- **Country of Origin:** China

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This Lyman product is covered by a Manufacturer Warranty. For specific details regarding the warranty period and coverage, please refer to the documentation included with your product or contact Lyman customer service directly.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact Lyman customer support. Refer to the official Lyman website or product packaging for the most current contact information. A digital version of the user guide is also available for download:[Lyman Digital Trigger Pull Gauge User Guide \(PDF\)](#)