

# *Grizzly* *Industrial, Inc.*®

## MODEL T10118 MINI DIGITAL READOUT OWNER'S MANUAL



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#CR12462 PRINTED IN CHINA.

## Foreword

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We are proud to offer the Grizzly Model T10118 Mini Digital Readout. This accessory is part of a growing Grizzly family of fine power tools. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation and proof of Grizzly's commitment to customer satisfaction.

It is our pleasure to provide this manual with the Model T10118. It was written to guide you through general installation, operation, and maintenance.

The specifications, details, and photographs in this manual represent the Model T10118 as supplied when the manual was prepared. However, owing to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly.

## Specifications

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Display Range (Max.) ..... 0-6 $\frac{3}{4}$ " (0-170mm)  
Ruled Scale (Max.) ..... 0-6" (0-150mm)  
Resolution.....0.0005" (0.01mm)  
Error Range +/- (0.015 + 0.005 x L/200)mm  
Max Measuring Speed.....1.5m/s  
System Pickup.....Non Contact Liner Cap  
Batteries ..... Three, 3-Volt CR2032  
Maximum Humidity ..... 80%  
Storage Temperature ..... -20°, +60°C  
Working Temperature..... 0°, +40°C  
Water and Oil Proof .....No  
Mounting Location ..... Only Dry Locations

## Contact Info

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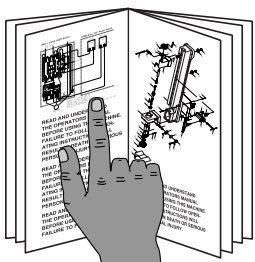
If you have any comments regarding this manual, please contact us:

Grizzly Industrial, Inc.  
C/O Technical Documentation Manager  
P.O. Box 2069  
Bellingham, WA 98227-2069  
Email: manuals@grizzly.com

Most importantly, we stand behind our tools. If you have any service questions or parts requests, please call or write us at the location listed below.

Grizzly Industrial, Inc.  
1203 Lycoming Mall Circle  
Muncy, PA 17756  
Phone: (570) 546-9663  
Fax: (800) 438-5901  
E-Mail: techsupport@grizzly.com  
Web Site: <http://www.grizzly.com>

**⚠ WARNING**



**Read the manual before operation. Become familiar with this product, its safety instructions, and its operation before beginning any work. Serious personal injury may result if safety or operational information is not understood or followed.**

# Unpacking

Your Model T10118 was carefully packaged for safe shipping. If you discover any damage after you have signed for delivery, *immediately call Customer Service at (570) 546-9663 for advice.*

Inventory (Figure 1)	Qty.
Storage Case (Not Shown).....	1
Digital Readout.....	1
Scale Mounting Bracket.....	2
Digital Pickup and Readout.....	1
Scale Bar.....	1
Data Cable 78".....	1

# Installation

The Model T10118 Mini Digital Readout can be mounted on drill press and milling machine spindles, and lathe tailstocks (Figure 1). Other mounting applications are also possible with additional mounting clamps and fixtures.

The following list indicates the typical items needed for basic installation. Often a spindle or barrel clamp must be purchased or fabricated for your machine before the scale bar can be mounted.

### Items Needed

3/8" Hand Drill.....	1
Drill Bit #25 (0.1495").....	1
Bottoming Tap #10-24.....	1
Phlp Hd Screws #10-24 x 3/8".....	7
Flat Washers #10.....	7
Zip Ties.....	4
Spindle or Barrel Clamp.....	1

### General Installation Guidelines

This digital readout is for use in dry locations only. If coolant or oils contact this unit, the batteries and circuits may corrode and void the warranty. When installing, avoid drilling too deep into any casting or shaft. If a drill bit or tap enters a gearbox, metal shavings can contaminate the gearbox and cause bearing damage. When mounting the digital pickup and scale bar, only mount one end of the bar. The other end must float (as shown in Figure 1) to prevent the possibility of binding. However, in some custom applications, both mounting brackets may have to be used.

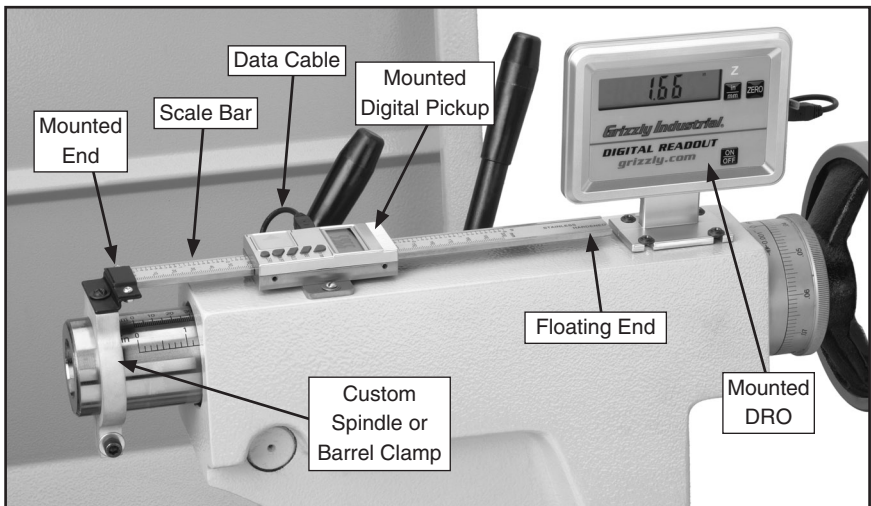
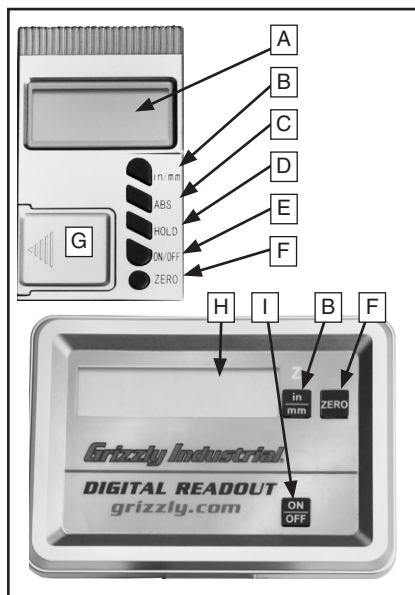


Figure 1. Typical tailstock mounting.

## Operation

Listed below and shown in **Figure 2** are the functions and locations of the T10118 controls.

- A. Display:** Shows the current positioning in digital values.
- B. in/mm:** Toggles measurement convention between SAE and metric values.
- C. ABS:** Allows for one or more measurements to be taken and held independently of the normal overall scale. Often used when the same spacing distances are required along a workpiece.
- D. HOLD:** Locks the current numerical value shown in the display.
- E. ON/OFF:** Turns power **ON** and **OFF** for the pickup assembly.
- F. ZERO:** Clears current mode of numerical values from memory.
- G. Battery Cover:** Battery location.
- H. Display:** Shows the current position in digital values.
- I. ON/OFF:** Turns power **ON** and **OFF** for the display assembly.



**Figure 2.** Controls.

## Maintenance

To clean the T10118, wipe the unit down with a cloth slightly-moistened with a mild window cleaner. Do not directly spray the unit with any cleaners or oils. Never use a blow gun to clean chips away the air pressure will force metal chips into the unit and cause binding or failure.

## Troubleshooting

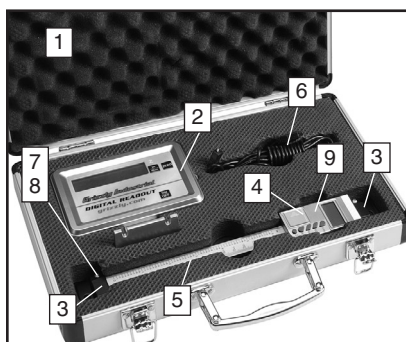
**Flashing Digits or No Display:** Replace the batteries.

**Locked Digits:** Remove batteries, wait 30 seconds, and reinstall batteries.

**Incorrect Measurements:** Remove and clean scale bar and digital pickup. Then recalibrate or zero from a known location.

## Parts

REF	PART #	DESCRIPTION
1	PT10118001	STORAGE CASE
2	PT10118002	DIGITAL READOUT
3	PT10118003	SCALE MOUNTING BRACKET
4	PT10118004	DIGITAL PICKUP AND READOUT
5	PT10118005	SCALE BAR
6	PT10118006	DATA CABLE 78"
7	PS12M	PHLP HD SCR M3-.5 X 6
8	PN07M	HEX NUT M3-.5
9	PT10118009	BATTERY 3V CR2032



**Figure 3.** T10118 Parts.

Model T10118 Mini Digital Readout