

# INSTRUCTION MANUAL

## WHG-3U

### Wood Working Saw Blade & Router Setting Gauge-Digital - 0-80mm

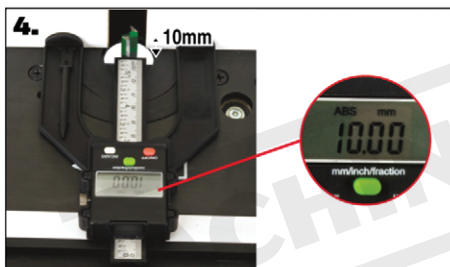
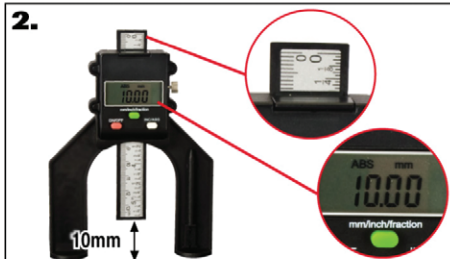
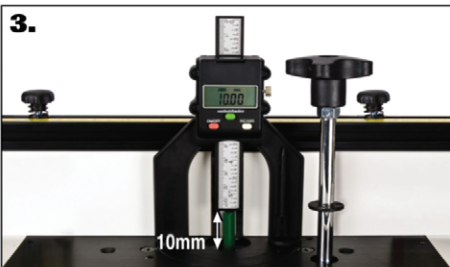
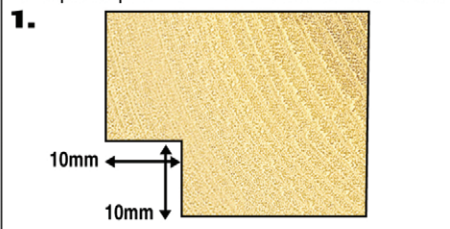


W644

# DIGITAL DEPTH GAUGE 60mm

- Easy operation with three press buttons.
- Digital read out in mm, inches and fractions.
- Auto shut-off in 5 minutes.
- Includes CR2032 3v Lithium battery.

Example steps to create a 10mm x 10mm rebate.



## TECHNICAL DATA

Measuring Range: 0 - 80mm (0 - 3 1/8") Hole Depth: 0 - 50.8mm (0 - 2")  
 Working Temperature: 0°C - + 50°C Working Humidity: <math>\pm 85\%RH</math>  
 Working Current: <math>< 100\mu A</math> Resolution: 0.05mm (0.002")  
 Accuracy: 0.1mm (0.004") Repeatability: 0.1mm (0.004")  
 Max Speed: 1.5m/s (60in/s) Battery: CR2032 3V Lithium Battery  
 Power Life: 1500 hrs Protection Level: IP50  
 Shipping & Storage Temperature: 10°C to + 70°C EMC Level: 2  
 Weight: 92g Opening width: 60mm (2 3/8")

## IMPORTANT

Please fit batteries carefully.  
 Please do not tilt or twist  
 battery container when  
 removing or refitting the rule.

## TROUBLE SHOOTING

Problem	Possible Cause	Solution
No display or ambiguous reading.	Lower voltage, no battery or incorrect installation of battery.	Reinstall battery or replace battery.
Flashing number	Low voltage	Replace battery.
Number skip or frozen display.	Internal error.	Remove battery, wait one minute and replace.
Frozen display and buttons not working.	One of the buttons may be stuck.	Release stuck button by gently sliding up or down slightly.



**Code W644**

# MINI DIGITAL HEIGHT GAUGE

- Horizontal & vertical measuring.
- Hole depth measuring 50.8mm.
- Self standing for setting cutter depth on routers tables and low profile for backface adjustment.
- Measuring rule with metric/imperial scale and locking screw.
- Digital display for easy reading, with readout accuracy to 0.1mm.
- 60mm wide aperture.
- Magnets in base.

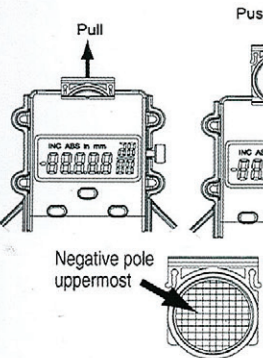
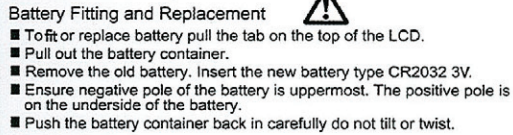
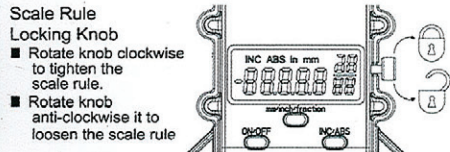
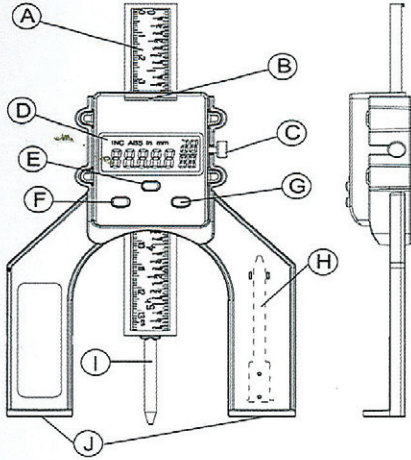


**TOOLMASTER**



**DESCRIPTION OF PARTS**

- A. Rule scale
- B. Battery container
- C. Locking screw
- D. LCD display
- E. Mm/inch/fraction button
- F. ON/OFF button
- G. INC/ABS button
- H. Depth pin park
- I. Depth pin (shown fitted)
- J. Base magnet



**OPERATION**

**ON/OFF Button:**

Short press ON/OFF to turn on, under ABS mode short press it to set zero. Long press over 3 seconds to shut off. Auto shut off function in 3 minutes.

**Mm/Inch/Fraction Button:**

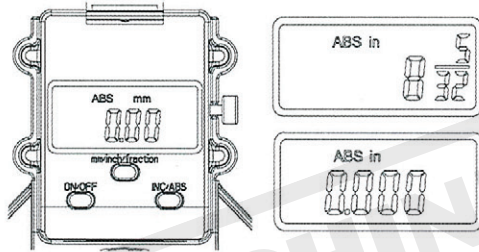
Short press mm/inch/fraction to convert between the three modes. Under fraction mode, within 1/32" ±0.004" readout will convert the number after radix point into fraction display. Outside radix point the display will flash "in".

**INC/ABS Button:**

Short press to convert between INC mode and ABS mode. Enter INC mode at the same time to set ZERO (display will show "INC"), enter ABS mode and the LCD will display "ABS".

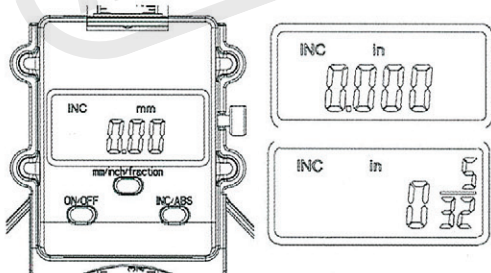
**Absolute Measuring (ABS)**

Short press ON/OFF to turn on, short press INC/ABS to convert to ABS mode (LCD will display ABS symbol). Short press ON/OFF to set to zero. The measuring number is now absolute number.



**Relative Measuring (INC)**

The gauge can convert to INC mode at any position and at the same time set to zero (display will show INC symbol). The measuring number is now the relative number.

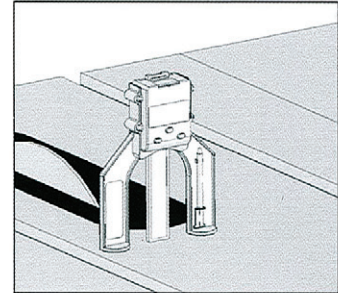
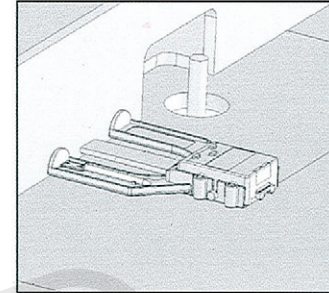
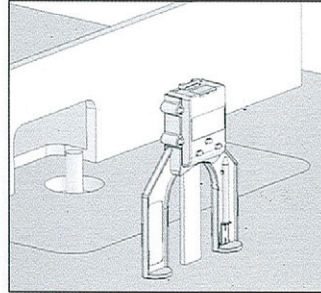


**Depth Pin**

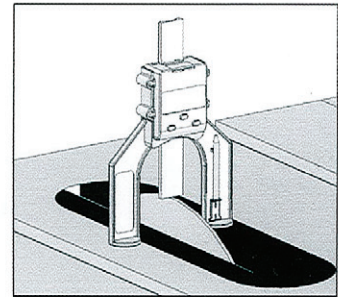
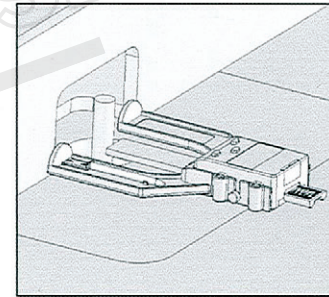
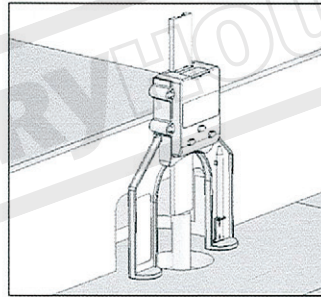
The gauge has a depth pin that can be fitted onto the end of the rule to measure hole depths. When not used the pin can be parked on the housing tabs.

**Using the Gauge**

1. Set the base of the Height Gauge on a flat reference surface and lower the scale until it lightly touches the surface. Set the display to 0.000.



2. Set your router bit or saw blades to the desired position as shown.



3. Install the plunger and zero the gauge for measuring depths as shown below.

