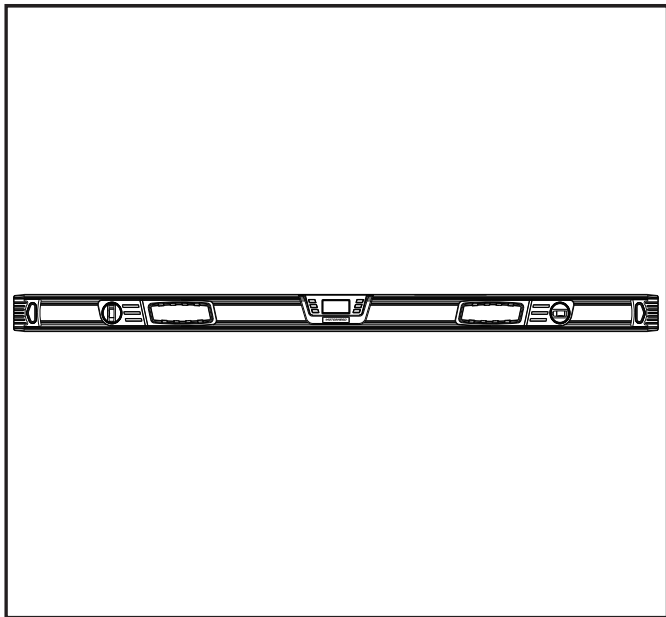




**48" Digital Level
(MH-02-DL-B1-48-1)**



Customer Service

Phone # 1-866-608-5212

E-Mail: support@motorheadtool.com

Register your tool on MOTORHEADTOOL.COM for a Free
Extended Warranty!

Specifications

Power: 3VDC (2) AAA Batteries

(Included)

(Alkaline recommended)

Measuring Range:

0-360°

(0-90° quadrants)

Digital Angle accuracy:

±0.1° at level and plumb position

±0.2° from 1° to 89°

Operating Temperature:

32° to 104°F (0° to 40°C)

Battery life:

20 Hours (w/ backlight)

Shock Resistance:

Up to 3 feet (1 meter) drop on concrete

Water Resistance:

Water resistant, but not waterproof

Operating Precautions

WARNING: For adult use only. This product is not a toy. Keep out of reach of children.

WARNING: For adult use only. Not for children 17 years of age or younger.

WARNING: Wear safety goggles - user and bystander

Battery Safety

Warning:

- Batteries can explode or leak and can cause injury or fire. To reduce this risk:
 - ALWAYS follow all instructions and warnings on the battery label and package.
 - DO NOT short any battery terminals
 - DO NOT charge alkaline batteries.
 - DO NOT mix old and new batteries. Replace all of them at the same time with new batteries of the same brand and type.
 - DO NOT mix battery chemistries.
 - DO NOT dispose of batteries in fire.
 - ALWAYS keep batteries out of reach of children.
 - ALWAYS remove batteries if the device will not be used for several months.

NOTE:

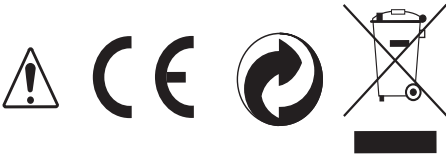
- Ensure that the correct batteries as recommended are used.
- Ensure the batteries are inserted in the correct manner, with the correct polarity.

End of Life

DO NOT dispose of this product with household waste.
ALWAYS dispose of batteries per local code.
PLEASE RECYCLE in line with local provisions for the collection and disposal of electrical and electronic waste under the WEEE Directive.

Declaration of Conformity

MOTORHEAD declares that the CE Mark has been applied to this product in accordance with the CE Marking Directive 93/68/EEC



This product conforms with EN61326-1:2013. For further details please refer to www.motorheadtool.com.

Maintenance and Care

- Level is not waterproof.

DO NOT allow to get wet. Damage to internal circuits may result.

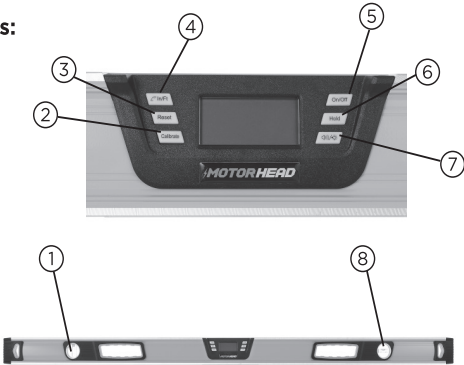
DO NOT leave level in direct sunlight or expose it to high temperatures. The housing and some internal parts are made of plastic and may become deformed at high temperatures.

DO NOT store the level in a cold environment. Moisture may form on interior parts when warming up. This moisture could cause corrosion of internal circuit boards.

NOTE: When working in dusty locations, some dirt may collect on the display. Remove any moisture or dirt with a soft, dry cloth.

DO NOT use aggressive cleaning agents or solvents.

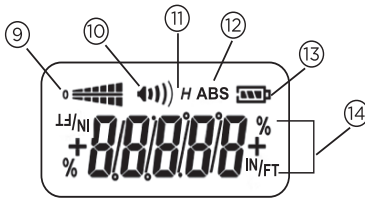
Functions:



- 1. Plumb Vial
- 2. Calibration Button
- 3. Reference Button
- 4. Unit Button
- 5. Power Button
- 6. Hold Button
- 7. Buzzer/ Backlight Button
- 8. Level Vial


Display:

- 9. Slope Icon
- 10. Buzzer Icon
- 11. Hold indicator
- 12. ABS Indicator
- 13. Battery life icon
- 14. Unit icons



Power:

Press Power button (5) for >2 sec. to turn on display.

- When powering on, the inclination will be displayed in the last units selected.
- The slope direction is shown by the slope icon (9).
- The display will automatically power off after 3 minutes of non-use.
- The display will automatically flip over if the level is used inverted.
- The battery life icon (13) displays the power remaining in the batteries. When Battery life icon is as shown, , there is ~ 1 hour of battery life remaining.

Units:

Press the units button (4) for ~1 sec. to cycle the display units between degrees (°), slope (In/Ft) or gradient (%).

Hold:

Press the Hold button (6) to freeze the current angle shown on the display. Press (6) again to unfreeze the displayed angle.

Buzzer/Backlight:

Press the Buzzer/Backlight button (7) for ~1 sec. to activate the internal buzzer. The buzzer will be heard when the display is at 0, 45° or 90°. Press the button again for ~1 sec. to power off the buzzer.

Press the Buzzer/Backlight button (7) for >2 sec. to activate display backlight. The backlight will automatically power off after 3 minutes or the button can be pressed again for >2 sec.

Reference Angle:

Press the Reference button (3) for >2 sec. to reset to current inclination to 0°. Press the Reference button again to return to normal angle mode.

Temperature:

Press the Calibrate button ② for ~1 sec. to display the current temperature in °C. Press again for ~1 sec. to display in °F. Press again to return to normal angle mode.

Re-calibrating the zero set angle of the display:

If the unit is dropped or you suspect inaccuracy of the product, you can re-calibrate the zero point.

1. Place the level on a flat, level surface as shown below.



2. Press the calibration button ② for >4 sec. "CAL 1" will appear on the display.
3. Press the calibration button ② for ~1 sec. "CAL 1" will blink for ~1 sec. then change to "CAL 2".
4. Flip the level over so the bottom is now on top, as shown below.
5. Press the calibration button for ~1 sec. "CAL 2" will blink for ~1 sec. then change to the active angle display.

The 0° reference for the display has been re-calibrated to the level surface.

Relative angle initialization:

Presses the Reset key, LCD demonstration 0.0°, current angle as initial angle, later observed result value is the relative value, after the close-down open again, the instrument return to the absolute measurement of angle mode.

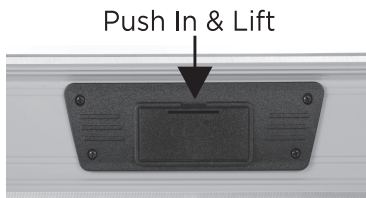
Remark: The word with "ABS" will be displayed in calibration mode.

Operating Instructions

Installing Batteries:

Located on back of level.

1. Push in and lift cover.



2. Insert (2) AAA batteries as shown.



3. Replace cover & snap in place.



Two-Year Limited Warranty

MOTORHEAD warrants its electronic measuring tools against deficiencies in materials and /or workmanship for two years from date of purchase WITH PROOF of SALE.

This Warranty does not cover deficiencies caused by accidental damage, wear and tear, use other than in accordance with the manufacturer's instructions or repair or alteration of this product not authorized by MOTORHEAD.

Repair or replacement under this Warranty does not affect the expiry date of the Warranty. To the extent permitted by law, MOTORHEAD shall not be liable under this Warranty for indirect or consequential loss resulting from deficiencies in this product. This Warranty may not be varied without the authorization of MOTORHEAD.

This Warranty does not affect the statutory rights of consumer purchasers of this product. This Warranty shall be governed by and construed in accordance with the laws of the country sold where in and MOTORHEAD and the purchaser each irrevocably agrees to submit to the exclusive jurisdiction of the courts of that country over any claim or matter arising under or in connection with this Warranty.

For warranty service please call MOTORHEAD Customer Service at **1-866-608-5212** or e-mail **support@motorheadtool.com**.

Register your product at **MOTORHEADTOOL.COM** for a **free extended warranty** and additional offers!



⚠️ WARNING: This product can expose you to chemicals including lead and lead compounds, Di(2-ethylhexyl)phthalate (DEHP), which are known to the State of California to cause cancer, and chemicals including Di-n-butyl Phthalate (DBP), which are known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

Customer Service: 1-866-608-5212

Monday - Friday

8:00 AM - 8:00 PM EST

support@motorheadtool.com

