



TSLD60

Usage Instructions

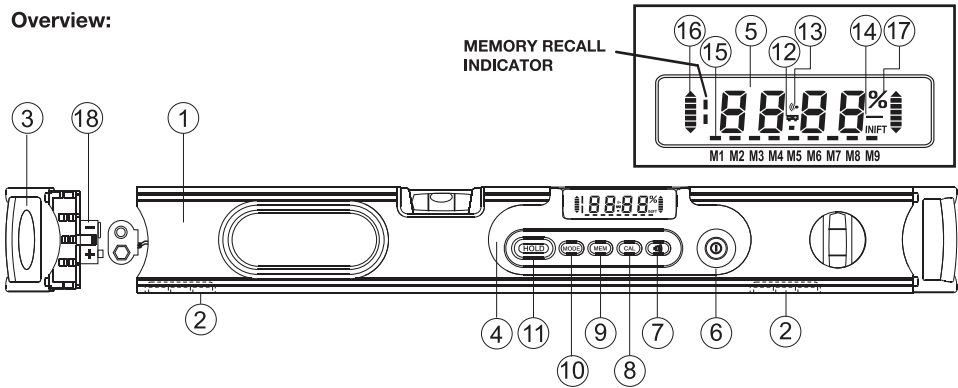
Digital Magnetic Spirit Level



Read before use



Overview:



1	Tile level with Plumb Site®
2	Rare-earth magnets
3	Shock absorbing end caps
4	Digital unit
5	LCD with backlight
6	Power button
7	Buzzer/Mute button
8	Calibration/False zero button
9	Memory/Recall button
10	Mode button degree, percentage, pitch in/ft and mm/m
11	Hold button
12	Low battery indicator
13	Buzzer/mute indicator
14	Reference angle indicator ("False O")
15	Memory recall indicators
16	Directional arrows for horizontal and plumb leveling
17	Mode indicators
18	9V Battery (excluded)

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1. Safety Warnings

⚠ Caution

Read all safety instructions and warnings provided with power tool. Failure to follow the instructions below may result in electric shock, fire and / or serious injury.

Keep all warnings and instructions for future reference.

The term "power tool" used in the safety instructions refers to mains operated power tools (with power cord) or to battery operated tools (without power cord).

General safety warnings for power tools

1.1 Safety in work area

- a) **Keep your work area clean and well lit.** Disarray or unlit work areas can lead to accidents.
- b) **Do not work with the power tool in a potentially explosive environment in which flammable liquids, gases or dusts are present.** Power tools generate sparks that can ignite the dust or fumes.
- c) **Keep children and bystanders away while using the power tool.** Distractions can result in a loss of control.

1.2 Electrical Safety













- a) **The plug of the power tool must fit into the socket. The plug must not be changed in any way.** Do not use adapter plugs together with electrically grounded power tools. Unmodified plugs and matching sockets reduce the risk of electric shock.
- b) **Avoid body contact with grounded surfaces such as pipes, heaters, stoves, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- c) **Keep power tools away from rain or moisture.** The penetration of water into a power tool increases the risk of electric shock.
- d) **Do not misuse the power cord to carry the power tool, hang it up, or unplug it from the power outlet.** Keep the connection cable away from heat, oil, sharp edges or moving parts. Damaged or entangled leads increase the risk of electric shock.
- e) **When working outdoors with a power tool, only use extension cables that are also suitable for outdoor use.** Using an extension cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operation of the power tool in a damp environment is unavoidable, use a residual current device.** Using a residual current circuit breaker reduces the risk of electric shock.

1.3 Personal Safety

- a) **Be attentive, pay attention to what you are doing and be reasonable about working with a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication.** A moment of carelessness when using the power tool can cause serious injury.
- b) **Wear personal protective equipment and always safety goggles.** Wearing personal protective equipment such as a dust mask, non-slip safety shoes, hard hat or ear protection, depending on the type and use of the power tool, reduces the risk of personal injury.
- c) **Avoid unintentional startup. Make sure that the power tool is switched off before connecting, receiving or carrying it to the power supply and / or the battery.** Keeping your finger on the switch when you are wearing the power tool or plugging the power tool into power can cause an accident.
- d) **Remove setting tools or wrenches before turning on the power tool.** A tool or key located in a rotating part of the power tool can cause injury.
- e) **Avoid an abnormal posture. Ensure a secure footing and maintain balance at all times.** This allows you to better control the power tool in unexpected situations.

Symbols

The following are the icons that are used for the tool. Make sure you fully understand them before using them.

	Read the instruction manual		Class II machine
	CE mark		Wear safety gloves
	Caution		Wear hearing protectors
	Conforms to WEEE		Wear safety glasses
	Class II machine		Warning risk of cutting by the saw
	ETL mark		Use of segmented blades prohibited

- f) **Wear suitable clothing. Do not wear loose clothing or jewelry.** Keep hair and clothing away from moving parts. Loose clothing, jewelry or long hair can be caught by moving parts.
- g) **If dust extraction and collection equipment can be installed, they must be connected and used properly.** Using a dust extractor can reduce dust hazards.
- h) **Do not weigh yourself in false safety and do not overstep the safety rules for power tools, even if you are familiar with the power tool after many uses.** Careless action can lead to serious injuries within fractions of a second.

1.4 Use and care of the power tool

- a) **Do not overload the power tool. Use the appropriate power tool for your work.** With the right power tool you work better and safer in the specified power range.
- b) **Do not use a power tool whose switch is defective.** A power tool that can not be turned on or off is dangerous and must be repaired.
- c) **Unplug the power cord and / or remove a detachable battery before making any adjustments to the device, changing the tool bits, or putting the power tool away.** This precaution prevents the unintentional start of the power tool.
- d) **Store unused power tools out of the reach of children. Do not allow persons to use the power tool that are unfamiliar or have not read these instructions.** Power tools are dangerous when used by inexperienced people.
- e) **Maintain power tools and insert tools with care. Check that moving parts are working properly and do not jam, that parts are broken or damaged enough to impair the functioning of the power tool. Have damaged parts repaired before using the power tool.** Many accidents are caused by badly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Carefully maintained cutting tools with sharp cutting edges become less jammed and easier to guide.
- g) **Use power tools, accessories, tools etc. according to these instructions. Take into account the working conditions and the activity to be performed.** The use of power tools for other than intended applications can lead to dangerous situations.
- h) **Keep handles and grips dry, clean and free of oil and grease.** Slippery handles and gripping surfaces do not allow safe operation and control of the power tool in unforeseen situations.

1.5 Use and care of the battery tool

- a) **Charge the batteries only with chargers recommended by the manufacturer.** A charger suitable for a particular type of battery may cause a fire when used with other batteries.
- b) **Use only the appropriate batteries in the power tools.** Use of other batteries may cause injury or fire.
- c) **Keep the unused battery away from paper clips, coins, keys, nails, screws, or other small metal objects that could cause the contacts to bridge.** A short circuit between the battery contacts can cause burns or fire.
- d) **If used incorrectly, liquid may leak from the battery. Avoid contact with it. In case of accidental contact, rinse with water. If the fluid gets into your eyes, seek additional medical attention.** Leaking battery fluid may cause skin irritation or burns.
- e) **Do not use a damaged or modified battery.** Damaged or altered batteries can behave unpredictably and cause fire, explosion or injury.
- f) **Do not expose a battery to fire or high temperatures.** Fire or temperatures over 130 ° C can cause an explosion.
- g) **Follow all charging instructions and never charge the battery or the cordless tool outside the temperature range specified in the operating instructions.** Incorrect charging or charging outside the permitted temperature range can destroy the battery and increase the risk of fire.
- h) **If the lithium-ion battery is not used for extended time, please charge the lithium-ion battery once every 6 months, each charging time is not less than 8 hours.**

1.6 Service

- a) **Only have your power tool repaired by qualified personnel and only with original spare parts.** This ensures that the safety of the power tool is maintained.
- b) **Never use damaged batteries.** All battery maintenance should only be done by the manufacturer or authorized service centers. Follow the instructions for lubricating and changing accessories.

Additional safety warning from the manufacturer

ATTENTION:

Read all instructions prior to operating this laser tool. Do not remove any labels from tool.

- Do not set up laser tool at eye level or operate the tool near a reflective surface as the laser beam could be projected into your eyes or into the eyes of others.
- While the product is in operation, be careful not to expose your eyes to the emitting laser beam (Green/Red light source). Exposure to a laser beam for an extended time may be hazardous to your eyes.
- Do not attempt to view the laser beam through optical tools such as telescopes as serious eye injury may result.
- Do not disassemble or modify the laser in any way. Modifying the tool may result in hazardous Laser Radiation Exposure.
- Do not operate the laser around children or allow children to operate the laser. Serious eye injury may result.
- An exposure to the beam of a Class 2 laser is considered safe for a maximum of 0.25 seconds. Eyelid reflexes will normally provide adequate protection.

2. Application

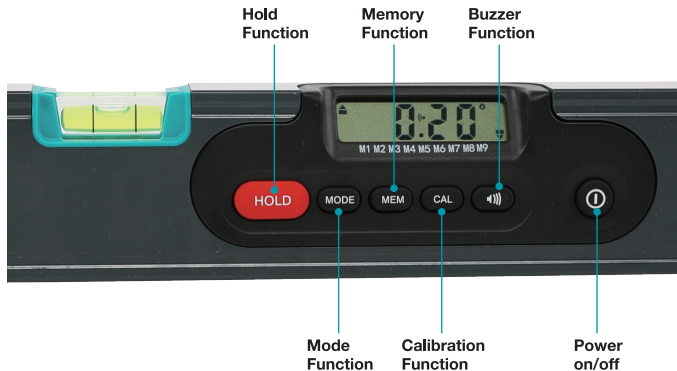
- MEMS (Micro-Electrical Mechanical Systems) acceleration sensor technology
- LCD display with LED backlight
- 9V lithium battery not included
- Reading hold function
- Varies measuring modes
- Memory storage and recall function
- Calibration & Buzzer function
- Low battery indicator light
- Automatically shuts down
- IP54 protection class
- Ideal for carpentry, construction, tiling, masonry, deck installation

Technical Data

Digital leveling	360°
LCD	360° readout - display flips in upside down position
Horizontal/Vertical Accuracy	+0.1° at 0° and 90°
Vial accuracy	+0.5mm/m (0.0005 "/>)
Working temperature	-10°C to 45°C(14F - 113F)
Storage temperature	-30°C to 50°C(-22F - 122F)
Power supply	9V battery (excluded)
Battery life	Over 8 hours continuous use
Auto shut-off	After 10 minutes
IP Rating	IP54

Manufacturer reserves the right to change specifications without notice.
Specifications may differ from country to country

3. Using Instruction



Power on/off:

- Press and hold the Power button to turn on the level.
- Press and hold to turn off.
- The level will turn off automatically after 10 min when idle.

3.1 Hold function:

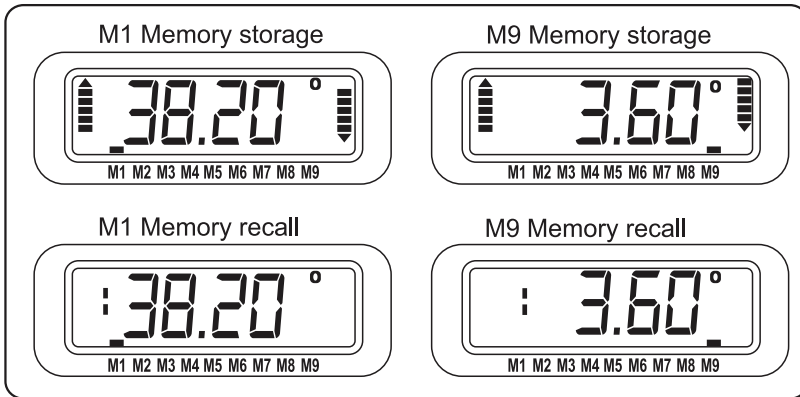
- Press the Hold button to freeze measurement display. Press again to return to active display.

3.2 Mode function:

- 360° readout display - flips in upside down position
- Mode function-degree, percentage, pitch in/ft and mm/m
- Press the Mode button to switch between degree, percentage, pitch in/ft and mm/m readings.

3.3 Memory and memory recall function:

- Memory storage and recall function - 9 measurements



- The Digiman level can store 9 sequential measurements. To store the displayed measurement, press the Memory button.
- To recall stored measurements, press the Memory button for 2 seconds
- The stored readings will be recalled in the order they were taken. The order is shown along the lower edge of the LCD in dashes M1 to M9.
- The LCD will show each recalled measurement with the indicator next to it
- To clear stored measurements, turn power off and back on.

Direction Arrow:

There are two Direction Arrows on either side of the LCD display. They indicate which direction to move the digital Level for a level or plumb measurement.

3.4 Calibration function:

- Position the level on a level surface.
- Press the Calibration button for 2 seconds. The LCD will display "CAL1" and then the measurement will flash.
- Rotate level 180° while keeping it flat on the level surface. Do not lift the level off of the surface.
- Once you have turned the level, wait for 5 seconds and then press the Cal button again for 2 seconds.
- The LCD will beep and display "CAL2" and then display a level reading. The level is now calibrated and ready for use.

Note:

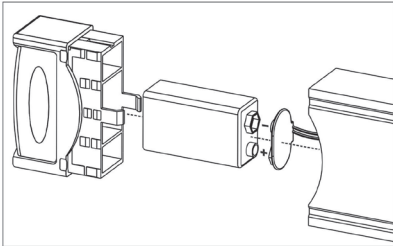
- If the LCD displays 3 dashes (- - -) after rotating the level 180°, this indicates that the level was not kept parallel to the level surface during rotation. Start the calibration procedure again from Step 1.
- We recommend checking calibration daily after a rough fall or if there has been a significant temperature change +/-20° since the previous Calibration

False Zero mode:

- To set a reference angle, press the Calibration button. The display will change to "0.0".
- The False Zero icon will appear next to the measurement.
- To reset, press Calibration button again.

3.5 Buzzer on/off:

- Press the Buzzer button to active the beep tone in the 0°, 45° and 90° angles.
- Press again to mute



Low Battery indication:

When the battery is less than 7V, the Low Battery signal will be indicated on the LCD.

Battery Change:

Remove battery holder end cap and detach connectors from 9V battery. Replace battery, attach connectors according to battery polarity, and insert end cap into level.

4. Cleaning and Maintenance

- Do not store the laser tool in direct sunlight or expose it to high temperatures.
- The housing and some internal parts are made of plastics and may become deformed at high temperatures.
- Exterior plastic parts may be cleaned with a damp cloth. Although these parts are solvent resistant, NEVER use solvents. Use a soft, dry cloth to remove moisture from the tool before storage.
- Store the tool in its case when not in use. If storing for extended time, remove batteries before storage to prevent possible damage.

5. Accessories

- This accessory is recommended for use with your device specified in this manual.
- Using other accessories or attachments may result in personal injury. Only use accessories or accessories for the stated purpose.
- For more information about this accessory, contact the local distributor.

6. Environmental Protection

- Do not dispose of electrical appliances in the household waste.
- Follow the local provisions for the disposal of electrical or battery products.
- Valuable materials can be recovered by recycling.
- The electrical or battery components used for construction are in accordance with the regulation European Directive 2012/19 / waste electrical and electronic equipment and transposition into national law., used electrical appliances must be collected and recycled in an environmentally sound manner. - Contact us for further information.



7. Warranty

The laser tool passed rigorous and comprehensive product inspection. We are confident of the quality of our products and offer outstanding guarantee for professional users of the products.

We offer One Year Limited Warranty from date of purchasing provided that:

- Proof of purchase
- Fair wear and tear
- Have not repaired by unauthorized persons
- Has not been misused

Defective products will be repaired or replaced, free of charge or at our discretion, if sent together with proof of purchase to our authorized distributor(s)

This Warranty does not cover:

- Faults caused by accidental damage
- Failure to use according to manufacturers' instructions
- Defects caused by maintenance or renovation without our authorization
- Calibration and care are not covered by warranty
- For more details and information, consult the general guarantee conditions at www.bihuitools.com



www.bihuitools.com