MAXIMUM™

24" DIGITAL LEVEL

model no. 057-5424-8

IMPORTANT:
Please read this manual carefully before using this digital level, and save it for reference.

INSTRUCTION MANUAL

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NOTE: If any parts are missing or damaged or if you have any questions, please call our toll-free helpline at 1-888-670-6682

SAVE THESE INSTRUCTIONS
This manual contains important safety and operating instructions. Read all instructions and follow them with use of this product.

SAFETY GUIDELINES

IMPORTANT SAFETY INSTRUCTIONS

AWARNING **READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below may result in electic shock, fire, and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

1. **SAVE THESE INSTRUCTIONS - THIS OPERATOR'S MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS.**
2. **DO NOT OVERREACH. KEEP PROPER FOOTING AND BALANCE AT ALL TIMES.** This enables better control of the appliance in unexpected situations.
3. **ENSURE ADEQUATE SAFEGUARDS AT THE WORK SITE** (e.g. surveying site when measuring on roads, construction sites, etc.).
4. **MAINTAIN TOOLS. IF DAMAGED, HAVE THE TOOL REPAIRED BEFORE USE.** Accidents may be caused by poorly maintained tools.
5. **THIS TOOL IS DESIGNED TO BE POWERED BY 2 AA BATTERIES PROPERLY INSERTED INTO THE TOOL.** Do not attempt to use with any other voltage or power supply.
6. **DO NOT LEAVE BATTERIES WITHIN THE REACH OF CHILDREN.**
7. **DO NOT MIX NEW AND USED BATTERIES.**
8. **DO NOT MIX BRANDS (OR TYPES WITHIN BRANDS) OF BATTERIES.**
9. **DO NOT MIX RECHARGEABLE AND NON-RECHARGEABLE BATTERIES.**
10. **INSTALL BATTERIES ACCORDING TO POLARITY (+/-) DIAGRAMS.**

SAFETY GUIDELINES

11. **PROPERLY DISPOSE OF USED BATTERIES IMMEDIATELY.**
12. **DO NOT INCINERATE OR DISMANTLE BATTERIES.**
13. **UNDER ABUSIVE CONDITIONS, LIQUID MAY BE EJECTED FROM THE BATTERY; AVOID CONTACT. IF CONTACT ACCIDENTALLY OCCURS, FLUSH WITH WATER. IF LIQUID CONTACTS EYES, ADDITIONALLY SEEK MEDICAL HELP.** Liquid ejected from the battery may cause irritation or burns.
14. **WATCH OUT FOR ERRONEOUS MEASUREMENTS IF THE TOOL IS DEFECTIVE OR IF IT HAS BEEN DROPPED, MISUSED, OR MODIFIED.**
15. **CARRY OUT PERIODIC TEST MEASUREMENTS,** particularly after the tool has been subject to abnormal use and before, during, and after important measurements.
16. **DO NOT DISPOSE OF TOOL OR BATTERIES TOGETHER WITH HOUSEHOLD WASTE MATERIAL!** Appliance and batteries that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

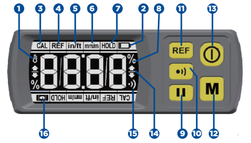
READ AND SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Electronic Module Accuracy	30.05° at 0° and 90° 30.2° between 0° and 90°
Spirit Vial Accuracy	30.0005"/in all positions
Batteries	2 X AA Alkaline batteries
Operating Temperature Range	14° to 122°F (-10° to 50°C)
Storage Temperature Range	-4° to 149°F (-20° to 65°C)
Operating Life	up to 150 hrs
Ingress Protection	IP65

FUNCTIONAL DESCRIPTION

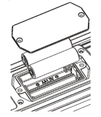


No.	Description	No.	Description
1	Temperature failure indicator	9	HOLD button
2	LOW battery indicator	10	Audio levelling ON Indicator
3	Calibration mode indicator	11	REF button
4	Reference number mode	12	MODE button units change
5	Unit inches/feet indicator	13	Power
6	Unit mm/m indicator	14	Level direction indicators
7	HOLD indicator	15	Vial sync indicator
8	Percent / degree	16	Level vial icon

CHANGING BATTERIES

Only use alkaline batteries. Do not use zinc-carbon batteries. If the level will not be used for a long time, remove the batteries as a protection against corrosion.
Change batteries when the low battery indicator ▭ appears. To change the batteries:

1. Unscrew the battery door and remove.
2. Insert two new AA batteries according to the polarity marked in the compartment.
3. Replace the battery door and tighten the screw securely.



TECHNICAL SPECIFICATIONS

Turning ON/OFF ⏻

Press the power button ⏻ to turn the level on and off. The level will go through a brief calibration before beeping to indicate it is ready.

Level Direction

The direction arrows ▲ and ▼ indicate the side of the level that needs to move up or down.

Correction	Main Display	Top Display
Move right side up	▲ 888 %▲	- 888 %▲
Move left side up	▲ 888 %▲	▲ 888 %-
Level	- 888 %-	- 888 %-

Audio Levelling ●))

Use the ●)) button to turn audio leveling on and off. When on, the level will sound when it is within 2° of level, changing pitch and increasing frequency as zero is approached. A solid tone indicates zero.

Backlight ●))

Press the ●)) button for 2 seconds; the screen will cycle through Off, Low, and High. The backlight will go off after 1 minute of inactivity.

HOLD ❚❚

To freeze the display at any time, press the ❚❚ button. Press the ❚❚ button again to return to normal function.

Selecting MODE M

Press the **M** button to cycle through the seven modes. The last selected mode will default when the level is turned on again.

MODE	Descripiton	Function
MODE 1	Rough-in	Degrees given in whole, round numbers
MODE 2	Degree 1	Degrees given to one decimal
MODE 3	Degree 2	Degrees given to two decimals
MODE 4	Percentage, Slope	Percentage given to one decimal
MODE 5	MM/M	Millimetres/Metres given in decimal format
MODE 6	IN/FT 1	Inches/Feet given in decimal format
MODE 7	IN/FT 2	Inches/Feet given in fraction format

REF

To set "zero" to a defined reference angle:
1. Set the level to the desired angle, and press the **REF** button. The **REF** mode indicator will begin flashing, and the new angle will be set as "zero".
2. To display the reference angle, press the **REF** button again. The reference angle will appear for 3 seconds.
3. To return to true zero, press and hold the **REF** button for 2 seconds.

TECHNICAL SPECIFICATIONS

Inactivity Shutdown

The level will turn off after 15 minutes of inactivity. To change this, press the ●)) button and ❚❚ button at the same time to cycle through the 1/4 hr, 1/2 hr, 1 hr, and 2 hr options.

TILT

"tILt" will be displayed if the level is tilted beyond 30° front or back.

Digital LEVEL calibrate ▭

To calibrate the vial bubble to the digital read-out as opposed to the factory calibration:
1. Set the level on a stable surface. Ensure the bubble is centred in the marks.
2. Press the **M** and ❚❚ buttons at the same time. CAL will appear on the display.
3. Press and hold the **M** and ❚❚ buttons for 1 second to start the calibration sequence.
4. When complete, the audio will sound, and the display will return to the measurement. The ▭ icon will appear on the display.
NOTE: if the vial bubble and factory setting are too far out of standard setting , Err will appear on the display. Turn the level off to reset.
To return to factory calibration:
1. Press the **M** and ❚❚ buttons at the same time. CAL will appear on the display.
2. Press and hold the **M** and ❚❚ buttons for 2 seconds. All the screen icons will flash on.
3. When complete, the audio will sound, and the display will return to the measurement. The ▭ icon will no longer appear on the display.

Maintenance

- Clean the tool with a damp, soft cloth.
- Never immerse the device in water.
- Never use aggressive cleaning agents or solvents.
- Avoid extreme temperatures for storage. Keep between 20° and 140°F(-7° and 60°C).

Warranty

Limited lifetime warranty on frame and vials. Three year limited warranty on electronics. Do not drop this level. Damage caused by shock is not covered by the warranty.

CUSTOMER SERVICE

model no. 057-5424-8 | contact us 1-888-670-6682

Made in China
Imported by
Mastercraft Canada Toronto, Canada M4S 2B8

IP65