

JOHNSON[®]

6.5" Digital Level
Model No. 1455-0000



Instruction Manual

Congratulations on your choice of this Digital Level. We suggest you read this instruction manual thoroughly before using the instrument. Save this instruction manual for future use.

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1. Kit Contents

<u>Description</u>	<u>Qty.</u>
6.5" Digital Level	1
"AAA" Alkaline Batteries	2
Knurled Screw (M4x20)	1

2. Features and Functions

- Angle inclination in 2 construction languages – units of measure (degrees and percent)
- Working range of angle measurement 4 x 90°
- Hold-function to freeze measurement
- Measures in absolute or relative measurements

3. Location of Parts/Components



4. Operating Instructions

IMPORTANT: It is the responsibility of the user to verify the calibration of the instrument before each use.

Battery Installation

1. Make sure the digital level is turned off.
2. Open the battery compartment. Remove the old batteries and install 2 “AAA” alkaline batteries.
3. Close the battery compartment.

Notes:

1. Be sure to match up polarities when installing 2 “AAA” batteries.
2. Always remove the batteries before storing the instrument.

5. Calibration

IMPORTANT: It is the responsibility of the user to verify the calibration of the instrument before each use.

1. Press the On/Off and C button at the same time to enter calibration mode. The LCD will display - - | - - .
2. Put the unit on a flat surface, such as a table, with the LCD upright and facing the operator as shown in picture 1.



Pic. 1

3. Press the On/Off button once, the -- 1 -- symbol on the LCD will begin to flash as shown in picture 2.



Pic. 2

4. The LCD will display -- 2 -- (see picture 3).



Pic. 3

5. Rotate the digital level 180° horizontally so the LCD is now facing away from the operator face up in the same location as it was before (see picture 4). Press the On/Off button again. The -- 2 -- symbol will flash. When the -- 2 -- symbol stops flashing, the digital level is calibrated.



Pic. 4

6. Using the Product



There are four buttons on this instrument. They are (from left to right):
On/Off Button
Calibrate/Absolute/Relative Button
Degree/Percent Mode Button
Hold Button

ON/OFF Button



Push this button once to turn the unit on.
Push this button again to turn the unit off.

Calibrate/Absolute/Relative Button



In calibration mode

Push the On/Off button to toggle through the calibration procedure (see calibration in section 5).

In measure mode

Push the C button to change from Absolute to Relative modes.

In absolute mode the  symbol is visible on the right side of the LCD.



In relative mode

In relative mode the  symbol is not shown.



Degree/Percent Mode Button **M**

With the unit turned on and in either relative or absolute mode, push this button to toggle between:



Hold Button **HOLD**

To take a measurement in an unreadable position, a position where the LCD can not be seen, or, if you want to lock the LCD reading in place while recording the reading, use the Hold Button.

With the unit on and in any mode, press the H button one time and the H symbol will begin to flash.

Once the digital level has remained still for 6 seconds, the H symbol will be solid and the measurement reading will be locked on the LCD.



The unit will be able to toggle between degrees and percent in hold mode, but the unit cannot be switched from absolute to relative mode while in hold mode.

To exit hold mode, press the H button again.

Directional Arrows

When the right end of the unit is higher than the left end, the left arrowhead points downward and the right arrowhead points upward.



Absolute & Relative Modes

Absolute Mode

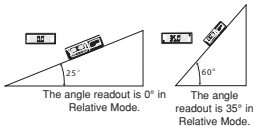
With the digital level calibrated and the absolute symbol visible, place the unit on the surface to be measured.



Relative Mode

Allows the digital level to set any angle as 0.0 reference point. With the unit in absolute mode, set the digital level on the first object. Press the C button to switch from absolute to relative mode. The LCD will display 0.0.

Place the digital level on the second object. The LCD will now display the angle read-out difference between object one and two.



7. Technical Specifications

Accuracy:	$\pm 0.1^\circ$ for 0° and 90° , and $\pm 0.2^\circ$ for all others
Resolution:	0.1°
Working Range:	$4 \times 90^\circ$
Power Supply:	2 "AAA" alkaline batteries (included)
Battery Life:	Approximately 100 hours of continuous use
Auto Shut Down Time:	After approx. 3 minutes with no movement
Dimensions	$6.5" \times 2.09" \times 0.98"$ ($165 \times 53 \times 25$ mm)
Weight:	0.529 lbs (0.24Kg)
Working Temperature	37°F to 114°F (5°C to $+ 50^\circ\text{C}$)

8. Care and Handling

- Avoid exposing unit to shock vibrations and extreme temperatures.
- Before moving or transporting the unit, make sure that the unit is turned off.
- Remove the battery when storing the unit for an extended time (more than three months) to avoid damage to the unit should the battery deteriorate.
- Avoid getting the unit wet.

- Keep the unit dry and clean. Remove any moisture or dirt with a soft, dry cloth.
- Do not use harsh chemicals, strong detergents or cleaning solvents to clean the unit.

9. Product Warranty

Johnson Level & Tool offers a one year limited warranty on each its products. You can obtain a copy of the limited warranty for a Johnson Level & Tool product by contacting Johnson Level & Tool's Customer Service Department as provided below or by visiting us online at www.johnsonlevel.com. The limited warranty for each product contains various limitations and exclusions.

NOTE: The user is responsible for the proper use and care of the product. It is the responsibility of the user to verify the calibration of the instrument before each use.

For further assistance, or if you experience problems with this product that are not addressed in this instruction manual, please contact our Customer Service Dept.

In the U.S., contact Johnson Level & Tool's Customer Service Department at 888-9-LEVELS.

In Canada, contact Johnson Level & Tool's Customer Service Department at 800-346-6682.