

DIGITAL BOX LEVEL

29098



Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual. Please visit drapertools.com/manuals for the latest version.

1. Intended Use

This product is designed to measure or set angles and for use as a digital level. Strong magnetic base to attach to surfaces such as conduit, pipes, saw blades and vents.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.



2. Specification

Stock No.	29098
Part No.	DBL100
Measuring ranges	0 – 90° 0 – 180°
Auto shut down (approx.)	10 minutes
Operating/Storage temperature	0 – 50°C / <85%RH
Batteries required	2 × AAA 1.5V (not supplied)
Dimensions	W 30 × H 68 × D 62mm
Net Weight (approx.)	100g

3. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user or the product.

- **DO NOT** use if the device is damaged in any way or evidence of battery leakage.
- When replacing the batteries check that they are fitted in the correct +/- orientation.
- **DO NOT** disassemble or drop this device.
- **DO NOT** attempt to repair this device; it contains no user-serviceable parts.
- **DO NOT** use this product for purposes other than its intended use.
- **DO NOT** expose to high temperatures or humidity.

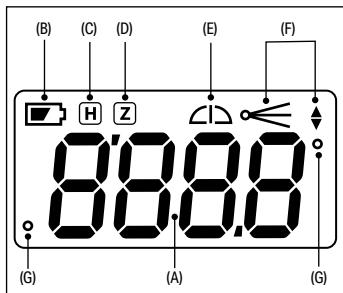
4. Identification

4.1 Product Overview



- (1) Display screen
- (2) Power/Zero button
- (3) Magnetic base
- (4) Hold/Range button
- (5) Battery compartment

4.2 Display Overview



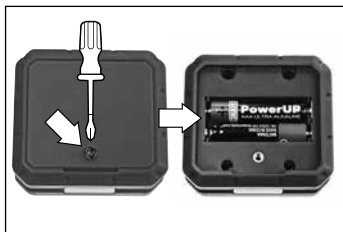
- (A) Measurement value
- (B) Low battery
- (C) Hold
- (D) Zero
- (E) Range setting (90°/180°)
- (F) Inclination direction
- (G) Degree angle

5. Operation







5.1 Fitting or Replacing the batteries

Requires 2 × AAA batteries (not supplied).

1. Unscrew the battery compartment cover.
 2. Insert 2× AAA batteries.
 - Check that the batteries are fitted in the correct +/- orientation.
 3. Refit the battery compartment and secure with the screw.
- Replace the batteries when the low battery symbol (B) appears on the screen.



6. Buttons and Functions

Function		Button Sequence
 POWER button	Turns the unit ON and OFF	<ul style="list-style-type: none"> Press the POWER button once to turn on. Press and hold the button to turn off. The device will switch off automatically after 10 minutes of inactivity.
	ZERO Use to set a reference plane.	<ul style="list-style-type: none"> Turn on and press the POWER button again – [Z] will appear on the screen and the measurement value will change to '0.0". Press the button again to return to measuring the true level.
 HOLD button	Use to HOLD and retain a measurement value on the screen.	<ul style="list-style-type: none"> Press the HOLD button once and [H] will be displayed on the screen.
	RANGE MEASUREMENTS To switch between the 90° and 180° measurement range	<ul style="list-style-type: none"> Press and hold the HOLD button. The screen will show either:  0 - 90°  0 - 180°
 HOLD button Plus  POWER button	RECALIBRATION To recalibrate the device if required	<ul style="list-style-type: none"> With the device turned off, place on a flat level surface with the display facing forwards. Press and hold the HOLD button, then press the POWER button to enter recalibration mode. 'CAL' will be shown the screen. Release both buttons. Press the POWER button again. The device will beep for a few seconds before 'CAL1' will be appear on the screen. Without lifting the device up, rotate 180° and press the POWER button again. The device will beep for a few seconds and 'CAL 2' will appear on the screen. Calibration is now complete.
ERROR CODE	'Err' will appear on the screen if the device is tilted either 30° backwards or forwards. At these angles the level is unable to provide accurate measurements.	

7. Maintenance, Storage and Disposal

- Wipe the casing with a dry clean cloth.
- **DO NOT** use abrasive cleaners or solvents.
- Remove the batteries when storing the product for extended periods.
- Store in the case supplied in a clean, dry place and out of the reach of children.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.
- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.



8. Warranty

12 months - Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for full details.

9. Explanation of Symbols



Read the instruction manual



Warning!



Do not incinerate or throw onto fire



WEEE – Waste Electrical
& Electronic Equipment

Do not dispose of Waste Electrical & Electronic
Equipment in with domestic rubbish



European conformity



UK Conformity Assessed