



EL20 Digital Level

Introduction

Purchase Congratulations on your purchase of the EL20 Digital Level.
This level has been designed for the professional to give years of trouble free use

Description

General Description The EL20 digital level is a digitalized torpedo level which can offer quick and accurate angle measurement on the horizontal plane.

- Measure the angle to the horizontal plane
- LCD is rotatable by 180°
- Display holding function
- Inclination direction indication
- Self-calibrate able

Components 1 x EL20 Digital Level
1 x Carry Pouch
1 x Instruction Manual

Product Identification The model and serial number of your product are indicated on the product. Please keep a these recorded in your manual and always refer to this information should you need to contact your Imex distributor.

Model
number:.....

Serial
number:.....

Validity of this manual This manual applies to the Imex EL20 Digital Level and contains instructions required to operate at a basic level. For more information: www.imextools.com.au

Definitions of Use

Intended Use This product has digital levelling software and is intended for displaying the angle at which it is placed.

Responsibilities

Manufacturer of the product Imex Group Pty Ltd hereinafter referred to as Imex, is responsible for supplying the product, including the user manual and original accessories, in a safe condition.

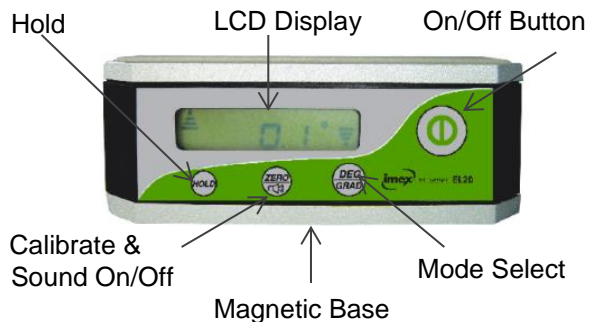
Person responsible for the product

The person responsible for the product has the following duties:

- To understand the safety instructions on the product and the instructions in the user manual.
 - To ensure that it is used in accordance with the instructions.
 - To be familiar with local regulations relating to safety and accident prevention.
 - To inform Imex immediately if the product and the application becomes unsafe.
 - To ensure that the national laws, regulations and conditions for the operation of.
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Operation

Instrument Overview



Functions

On/Off Button	Press to turn the EL20 on or off
Mode Select	Select to display ° or %
Calibrate	Long Press to enter calibrate mode
Sound On/Off	Short press to turn sound on or off
Hold	Press to freeze the display

Battery installation

1. Loosen the screws on the battery cover.
 2. Open the battery cover and put batteries into the battery case according to the polarity shown in the battery slot. Replace the battery cover and tighten the screw.
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Initial Set up

In order to ensure the measurement accuracy, it is recommended that you check the accuracy before operating.

After fitting the batteries, place on a flat horizontal surface with the LCD display facing you and press the power button to turn the EL20 on. Record the angle value (A) on the display.

Rotate the EL20 180° with the screen facing away from you and record the value (B).

If A, B angle value margin exceed 0.2 degree, it is necessary to calibrate the horizontal accuracy.

Also follow above procedure in vertical position to check vertical accuracy

Calibration

1. Select a flat and horizontal platform as a reference surface
2. Press the power button to turn the unit on
3. Press and hold the ZERO button until -0- is displayed on the LCD screen. Wait 3 seconds, press the ZERO button again the LCD will now display -1-
4. Turn the unit 180 degrees, keeping the unit on the same horizontal platform, and wait for 3 second, then press ZERO, the LCD will display -2-, and then will display angle value. Horizontal calibration is now complete.

Note: all the above operation should be operated on the same position of the same plane.

To calibrate vertical plane, repeat above procedure on vertical plane.

Technical Specifications

Measuring Accuracy	±0.1°
Working Range	0°- 360°
Display Mode	2 x Display modes (°&%)
Resolution	0.1°
Power	3 x AAA Batteries
Working temperature	-10°C to +45°C
Size	156 x 56x 31mm

Maintenance

- This instrument should be carefully operated and properly preserved; any violent shock or falling will possibly result in to damage the instrument.
 - Keep the instrument clean
 - Keep away from of wet and damp conditions
 - Do not attempt to disassemble the unit, as any unprofessional disassembly will result in damage to the instrument.
 - Take the batteries out when the instrument is not in use for long periods of time.
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