

## DIGITAL POST LEVEL DWL1000 XY



### Instruction Manual

Congratulations on your choice on this Digi-Pas™ Digital Level DWL-1000. We suggest you read this instruction manual thoroughly before using the digital post level. Save this instruction manual for future reference.

JIM1000XY-001-F09

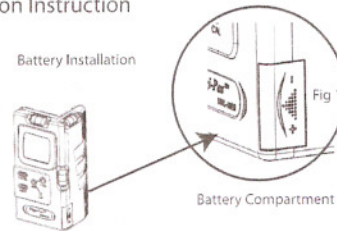
### 1. Kit Contents

Description	Quantity
Digital Post Level Device	1
"AAA" Alkaline Batteries	2
Aluminium Jig	1

### 2. Technical Specification

Resolution	± 0.05°
Accuracy	± 0.10°
Post Level Measuring Range	0° ~ ± 45°
Digital Level Angle Measuring Range	0° ~ ± 90°
Operating Temperature	0°C ~ ± 50°C
Power Supply	2x "AAA" 1.5V batteries
Estimated Battery Life	150 hours (backlite on) 350 hours (backlite off)
Dimension	120 x 60 x 50 mm
Weight	210g

### 3. Operation Instruction



1. Open the battery cover, located as vertical side plastic (See Figure 1).
2. Insert 2 new "AAA" alkaline batteries with polarity (+/-) as indicated on the battery compartment.
3. Close the battery door securely in place.

#### IMPORTANT NOTICE:

It is the responsibility of the user to verify the calibration of the post level before each use.

### 6. Special Features and Functions

#### Buzzer Function

Hold the "Mode" button for 4 sec to switch the buzzer on and off.

#### Automated Shut-Off

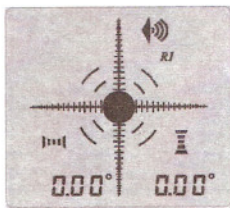
This digital post level will shut-off automatically after 10 minutes.

#### Low-power indication

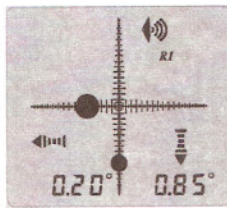
When voltage is low, battery symbol will be shown on the LCD. This indicate batteries need to be replaced.

#### Dual Angle Measurement

Provide the measurement reading for both pitch and roll axis. It is suitable to determine exact angle between two surfaces.



Show that digital post level is at zero level



Show the proximity towards the zero level

#### Digital Level Mode

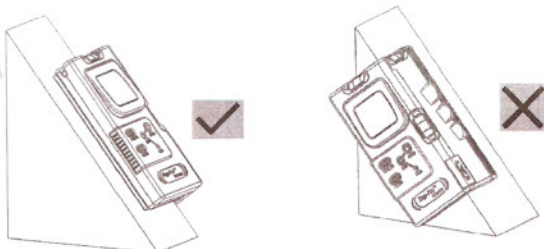
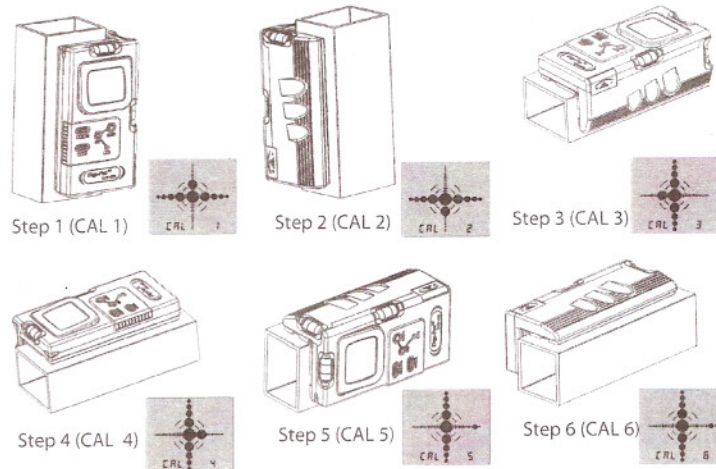


Figure above shown the correct usage in digital level mode

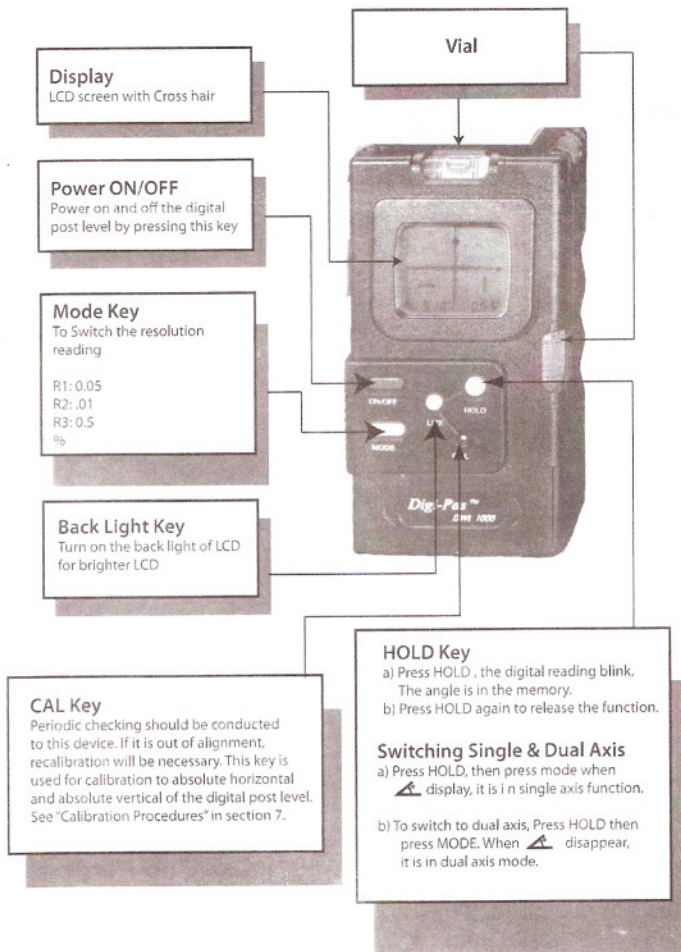
### 7. Calibration Procedures



**Caution:** Digital Post Level device is calibrated in the factory for maximum accuracy. User only need to re-calibrates when necessary.

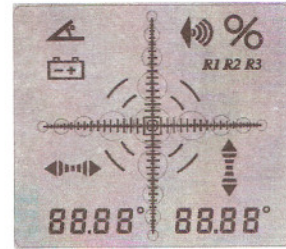
- 1) Press the CAL button. "CAL 1" show on digital display. Place the device as shown in the step 1. Ensure both surfaces of the aluminum bar are in full contact with the calibration bar. Press the "MODE" button, wait for the countdown from 10 to 1. "CAL 2" show on display.
- 2) Place the device on the aluminum bar as shown in the step 2. Press the "MODE" button and wait for the countdown from 10 to 1. "CAL 3" will be shown on display.
- 3) Place the device as shown in the step 3. Press the "MODE" button and wait for the countdown from 10 to 1. "CAL 4" will be shown on display.
- 4) Rotate the device 180 degree horizontally as shown on the step 4. Press the "MODE" button and wait for the countdown from 10 to 1. "CAL 5" will be shown on the screen.
- 5) Place the device as shown in the step 5. Press the "MODE" button and wait for the countdown from 10 to 1. "CAL 6" will be shown on display.
- 6) Rotate the device 180 degree horizontally as shown on the step 6. Press the "MODE" button and wait for the countdown from 10 to 1.
- 7) A long beep sound will signal, calibration is completed.

#### 4. Using the Product



2

#### 5. LCD Screen Icon



Indicate direction of inclination

Indicate proximity to target

Indicate zero level achieved

Indicate batteries need to be replaced

Indicate beep sound is activated via "Mode" button

Indicate single axis function

**R1 R2 R3** Indicate the selection of resolution:

R1: 0.05

R2: 0.1

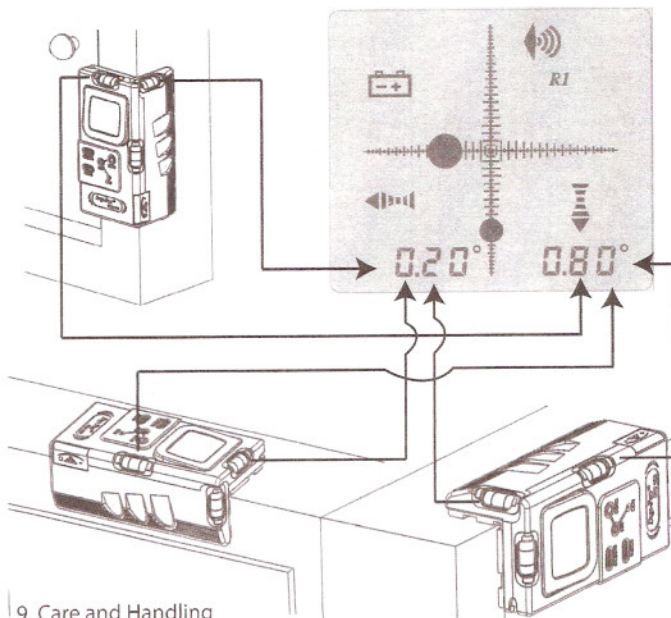
R3: 0.5

**%** Indicate percentage mode

**88.88** Indicate angle of pitch and roll in percentage or degree.  
(See the relationship of vial and digit reading pairing details)

3

#### 8. Relationship of Vial and Digital Reading Paired



#### 9. 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 batteries when storing the unit for an extended time (more than three months) to avoid damage to the unit should the batteries deteriorate.
- Always store the unit in its case when not in use.
- Keep the level 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 level.

6

#### WARRANTY

The Digi-Pas level is warranted to the original purchaser to be free from defects in workmanship and material. Our corporation will repair or replace any defective part which may malfunction under normal and proper use within a period of 30 days from the date of purchase. This warranty is not subject to misuse, abuse, assignment, or transfer. The exclusive remedy under any and all warrants and guarantees, expressed herein, and we shall not be liable for damages from loss or delay of equipments uses, consequential, or incidental damage.

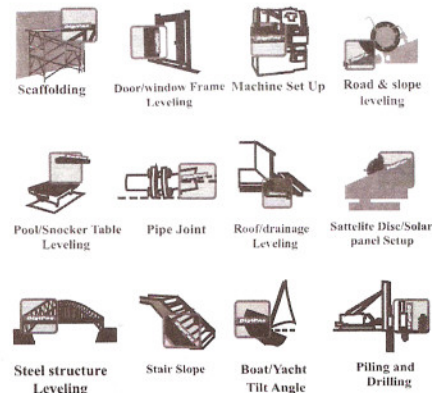
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7