

# Professional Digital Level



**IP67**  
WATER  
PROOF

**LED**  
Technology

*Innovation & Technology Driven™*

## Advanced Digital MEMS Technology

- IP67 WATER PROOF**
- TEMPERATURE COMPENSATED**
- BRIGHT LED DISPLAY**
- INVERTED DISPLAY**
- ALT. ZERO**
- BUZZER**
- BUILT IN VIAL**
- IMPACT RESISTANCE**
- MAGNET**

Traditional Pendulum/Vial methods



Products tested by TÜV SÜD, SGS accredited body to comply with CE, FCC & RoHS, and traceable to UKAS, JIS, NIST & DIN, and manufactured under SGS certified ISO quality standards:



## Pocket Size Digital Level - DWL 80 Series



DWL 80 series is an aesthetic & innovative pocket-size digital level having a resolution of 0.1°/0.05°. The impact resistance ABS-PC polymer material case is moulded to tough aluminium based with built-in magnet.

The high quality yet affordable price of DWL 80 series is suitable for entry DIY & professional users seek to have an amazing experience of precision digital levelling technology which the traditional spirit level is unable to provide.

Traditional Mini Level



Model	DWL-80E	DWL-80Pro
<b>Resolution</b>	0.1° (1.75mm/M)	0.05° (1.0mm/M)
<b>Accuracy</b>	± 0.1° at around 0° & 90°; ± 0.2° at 1° to 89°	± 0.05° at around 0° & 90°; ± 0.2° at 1° to 89°
<b>Measuring Range</b>	0° ~ 90°; 4 x 90° (360°)	
<b>Measuring Unit</b>	(°) Degree & %Slope	(°) Degree, %Slope, in/Ft & mm/M

Features		
Handy pocket size		
Alternate Zero Function	Yes	Yes
Inverted display	No	Yes
User self calibration	Yes	Yes
Automatic Shut off	Yes	Yes



## Digital Level Module - DWL 100 Series



DWL 130 & DWL 180 modules having a resolution of 0.05° are primarily designed for user convenience application. These modules can be attached onto traditional spirit levels to INSTANTLY convert these spirit levels into highly accurate digital levels.

These modules can either CLIP-ON or SCREW-ON to various length & width conventional spirit level.

Traditional Spirit Level



Model	DWL-130	DWL-180
<b>Resolution</b>	0.05° (1.0mm/M)	
<b>Accuracy</b>	± 0.05° at around 0° & 90°; ± 0.2° at 1° to 89°	
<b>Measuring Range</b>	0° ~ 90°; 4 x 90° (360°)	
<b>Measuring Unit</b>	(°) Degree, %Slope, in/Ft & mm/M	

Features		
Adjustable Clip Width	Yes	No
Alternate Zero Function	Yes	Yes
Inverted display	Yes	Yes
User self calibration	Yes	Yes
Automatic Shut off	Yes	Yes



## Torpedo Digital Level - DWL 200 Series



DWL 200 & DWL 280 is a compact-size torpedo digital level having resolution of 0.1°/0.05°. The strong impact resistance ABS plastic material is moulded with a tough aluminium base to form the rugged yet elegant body structure.

Built in strong magnets to hold on to metal work piece when measuring.

Traditional Torpedo Level



Model	DWL-200	DWL-280
<b>Resolution</b>	0.1° (1.75mm/M)	0.05° (1.0mm/M)
<b>Accuracy</b>	± 0.1° at around 0° & 90°; ± 0.2° at 1° to 89°	± 0.05° at around 0° & 90°; ± 0.2° at 1° to 89°
<b>Measuring Range</b>	0° ~ 90°; 4 x 90° (360°)	
<b>Measuring Unit</b>	(°) Degree & %Slope	(°) Degree, %Slope, in/Ft & mm/M

Features		
Compact Design		
Inverted display	Yes	Yes
User self calibration	Yes	Yes
Alternate Zero Function	Yes	Yes



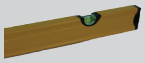
## Heavy Duty Digital Level - DWL 600 Series



DWL 600 advanced electronic modules, with a resolution of 0.05°, is designed to be fitted into rugged aluminium structure of 600mm length to meet most challenging heavy duty applications. Calibration certificates obtained from USA, Japan, UK & Germany on product specification conformance are available for reference.

The digital level can withstand Impact & shock, making this series ideal for professional uses in tough working conditions.

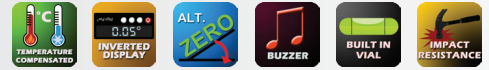
Traditional Spirit Level



Model	DWL-600F
Resolution	0.05° (1.0mm/M)
Accuracy	± 0.05° at around 0° & 90°; ± 0.2° at 1° to 89°
Measuring Range	0° ~ 90° ; 4 x 90° (360°)
Measuring Unit	(°) Degree, %Slope, in/Ft & mm/M

Features	
Illuminated Display	Backlight LCD
Alternate Zero Function	Yes
Inverted display	Yes
User self calibration	Yes
Automatic Shut off	Yes



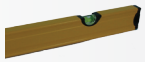
## Waterproof Digital Level Series



DWL 280Pro & DWL 680Pro is a waterproof digital level embedded with advanced LED/OLED technology allowing for the brightest display. It is also designed to the stringent specification of IP65/67 - water, shock, dust & freeze proof, and wide operating temperature range allowing for high performance and reliability in the toughest working environment.

Both models have all the features necessary to make them indispensable levelling tool for the professional and tradesmen.

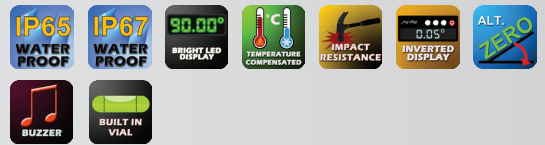
Traditional Spirit Level



Model	DWL-280Pro	DWL-680Pro
Resolution	0.05° (1.0mm/M)	
Accuracy	± 0.05° at around 0° & 90°; ± 0.2° at 1° to 89°	
Measuring Range	0° ~ 90° ; 4 x 90° (360°)	
Measuring Unit	(°) Degree, %Slope, in/Ft & mm/M	

Features		
Illuminated Display	LED	Organic LED (OLED)
Wide Operating Temperature	-20°C ~ +60°C	
Waterproof TÜV SÜD Certification	IP67	IP65
Inverted display	Yes	
User self calibration	Yes	
Alternate Zero Function	Yes	



## 2-Axis Digital Post Level - DWL 1000XY Series



DWL 1000XY is a 2-Axis digital post level, having a resolution of 0.05°, designed for professional & tradesmen to achieve speedy and accurate means of putting up post, fences/guttering, pipe, window, and door frames.

It is ideally used for site inspection works especially to measure & guide for erecting a post in both vertical and horizontal axis concurrently.

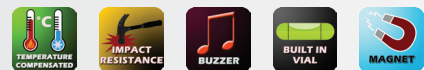
Traditional Spirit Level



Model	DWL-1000XY
Resolution	0.05° (1.0mm/M)
Accuracy	± 0.05° at around 0° & 90°; ± 0.2° at 1° to 89°
Measuring Range (Single Axis)	0° ~ ±90°
Measuring Range (Dual Axis)	0° ~ ±45°
Measuring Unit	(°) Degree & %Slope

Features	
Illuminated Display	Backlight LCD
Alternate Zero Function	No
Inverted display	No
User self calibration	Yes



**TECHNICAL SPECIFICATION :**

TECHNICAL DATA QUICK REFERENCE*	MODEL SERIES						
	80	100	200	280Pro	600	680Pro	1000XY
Type	Pocket-Size	Module	Torpedo	Waterproof	Heavy Duty	Waterproof	2-Axis Post
Measurement range (Single Axis)	0° ~ 90°; 4 x 90° (360°)						
Measurement range (Dual Axis)							0° ~ 45°
Resolution	0.1° (1.75mm/M)	DWL80E		DWL200			
	0.05° (1.0mm/M)	DWL80Pro	DWL130 / DWL180	DWL280	DWL280Pro	DWL600F	DWL680Pro
	0.1°	DWL80E		DWL200			
Accuracy	0.05°	DWL80Pro	DWL130 / DWL180	DWL280	DWL280Pro	DWL600F	DWL680Pro
(°) Degree, % slope		●	●	●	●	●	●
in/Ft, mm/M			●	DWL280	●	●	●
Dual Axis XY measurement							●
Buzzer sound		●	●	●	●	●	●
HOLD function to freeze reading	●	●	●	●	●	●	●
Built in vials	●		●	●	●	●	●
Magnet	●		●	●			●
Backlight				LED	●	OLED	●
Alternate Zero (Set any angle to 0)	●	●	●	●	●	●	
Inverted reading display	DWL80Pro	●	●	●	●	●	
Auto shut off (Power saving)	●	●	●	●	●	●	●
User self calibration	●	●	●	●	●	●	●
Dimension** L x H x W (mm)	105 x 55 x 18	95 x 48 x 43 (130) 118 x 49 x 16 (180)	200 x 43 x 18	230 x 57 x 28	600 x 60 x 27	600 x 60 x 27	61 x 121 x 52
Operating temp.	0° ~ +50° (Celcius)	●	●	●	-20° ~ +60°	●	-20° ~ +60°
Storage temp.	-10° ~ +60° (Celcius)	●	●	●	-30° ~ +70°	●	-30° ~ +70°
Waterproof rating				IP67		IP65	
Batteries	2 x CR2032			3 x AAA	2 x AAA	4 x AAA	2 x AAA

Note : \* Product Specification and appearance are subjected to change for product improvement without prior notice.  
 \*\* Dimension stated in this chart is approximation.  
 Blank Space - indicate this feature is not available for this model.  
 Dot "●" - indicate this feature is available for this model.

**Applications :**



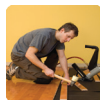
Roof contractor



Solar Modules Installation



Offshore & Shipyard



Home & DIY Work



Satellite Dish Alignment



Steel-Beam Structure Alignment



Window Frame Installation

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