

TECHNICAL SPECIFICATIONS

	DWL3000XY	DWL3500XY
Measurement Range (Single Axis Digital Level)	0.00° to ± 90.00°	0.000° to ± 30.000° **
Measurement Range (Dual Axis Digital Level)	0.00° to ± 15.00° **	0.000° to ± 2.000° **
Resolution	0.01° (175µm/M) (0.002 in/ft)	0.001° (≤20µm/M) (0.0002 in/ft)
Accuracy	± 0.01° at 0.00° ~ ± 10.00° (175µm/M) (0.002 in/ft) ± 0.03° at other angle	± 0.001° at 0.000° ~ ± 2.000° (≤20µm/M) (0.0002 in/ft) ± 0.003° at other angle
Repeatability	0.01° (175µm/M) (0.002 in/ft)	0.001° (≤20µm/M) (0.0002 in/ft)
Vibrometer (Relative g)	1.0	1.0
Display	Colour TFT LCD	Colour TFT LCD
Power Supply *	4 x AAA 1.5V Batteries / USB	4 x AAA 1.5V Batteries / USB
Material	PC ABS / Aluminum	PC ABS / Aluminum / Cast Iron
USB Connectivity	USB 2.0 (≤ 5 metre)	USB 2.0 (≤ 5 metre)
Operating Temperature	-10°C to +50°C (Calibrated) 14°F to 122°F (Calibrated)	-10°C to +50°C (Calibrated) 14°F to 122°F (Calibrated)
Dimension (mm)	188 x 62 x 37	188 x 62 x 37
Nett Weight (Approximate)	580 gram	580 gram / 1.0 kg
User Self Calibration	Yes	Yes

* Alternative Device power can be obtain from External USB Power Source .
**User may use a customized *Digi-Pas™* Angle Adaptor® to extend measuring angle beyond stated range.

Note:
For maximum accuracy, user is advised to perform 'Absolute Level Setting' when making each measurement.

DEALER:

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

CAUTION
Strong Magnet

Digi-Pas™
2 Years
Warranty
www.digipas.com

Digi-Pas™ DWL3000 XY Products
come with a two years warranty from
JSB TECH Pte Ltd

Digi-Pas™ Products are manufactured under SGS certified
ISO Quality standards



INNOVATED for
PROFESSIONALS in ...



CNC Precision Machine Alignment



Vision Measurement Equipments
(Metrology)



Research Laboratory



Semiconductor Production Machines

Digi-Pas™
A division of VENTURA Group of Companies

2-Axis
Professional Precision Digital Level
with Vibrometer

ANGLE VIBRO ALT. ZERO ABS LEVEL ? HELP



Model: DWL3000XY Series

PC Sync Software
Data Logging PC Software

Innovative &
Technology Driven Products

Please contact our Global Representatives & Authorised Distributors:

Product of Singapore

Designed by Cambridge Ventura, England (UK)



www.digipas.com



PROFESSIONAL PRECISION DIGITAL LEVEL

Innovative & Technology Driven Products

DWL3000 XY Series Device

DWL3000 XY Series is a Dual Axis Precision Digital Level with built-in Vibrometer designed for professional & specialist to achieve high resolution and accuracy of angular & vibration measurements, capable of real-time data logging & remote monitoring.

It is ideally used for installation, setting up and maintenance of high precision CNC machines, test & measuring equipments.

Device Features

- 2-Axis colour graphic display of angular & vibration measurements
- Real-time Digital & Analog display for data logging & analysis
- High resolution of $0.01^\circ/0.001^\circ$ ($175/18 \mu\text{m/M}$) angular measurement.
- Built-in Vibrometer for Real-time vibration measurement.
- USB connection for remote data logging & analysis in computer

Device TFT LCD Displays



®Registered Design

Device Main Menu ICON



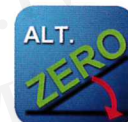
ANGLE METER

Real-time colour graphic display for Single/Dual Axis digital & analog angle measurements & data logging on device screen or computer monitor.



VIBRO METER

Real-time colour graphic display for vibration monitoring and data logging on device screen or computer monitor.



ALTERNATE ZERO SETTING

Enable user to measure relative angles at a common plane with respect to a reference angle. The reference angle can be set using alternate zero feature.



ABSOLUTE LEVEL SETTING

Enables user to perform absolute symmetry readings for both "front" & "reverse" (180 degrees) positions of any measurement angle.



SETTING MENU

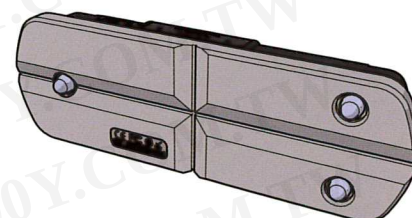
Enable User to define various parameters on the device functions.



HELP MENU

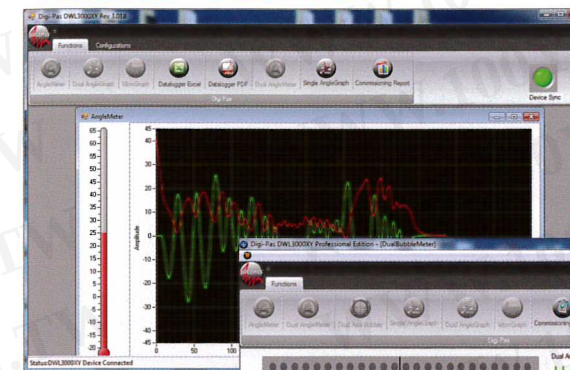
Enable User to have a quick and easy reference on Device's button function at different display screen.

Three-Points contact base for specialised applications:

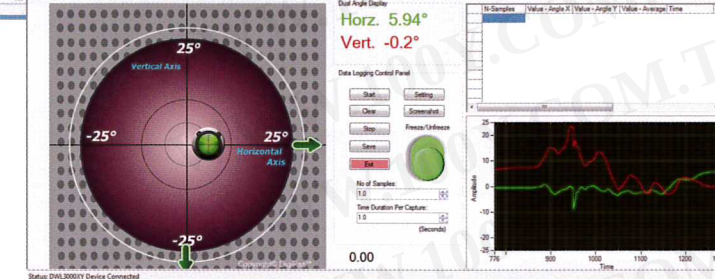


PC Sync Professional Software

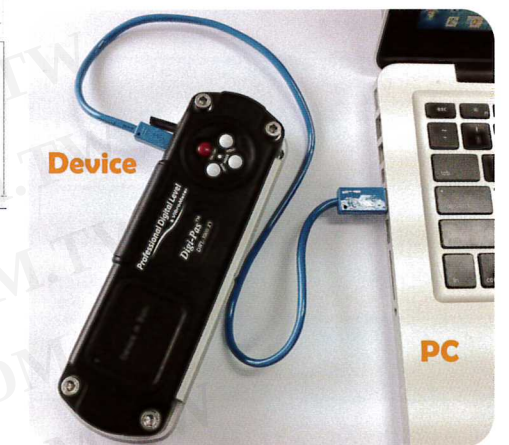
DUAL AXIS ANGLE GRAPH



VIBRO GRAPH



DUAL AXIS "BUBBLE" METER



Software Features

- USB Connection for angle & vibration remote measurement, data logging & analysis in computer.

Advantages of Digi-Pas™ Digital Level

• SPEED

Instant digital display of levelling & vibration measurements for *time saving* and *quality works*.

• CLARITY

Digital colour graphic display to enable real-time collection of measurement data for commissioning & analysis purposes.

• PRECISION

2 Axis high resolution $0.01^\circ/0.001^\circ$ ($175/18 \mu\text{m/M}$) with *PC remote measurements* capability provide benefits that the traditional spirit level is difficult or unable to match.



Digi-Pas™ Precision Digital Level
Advanced MEMS Technology



VS

Traditional Spirit Levels

產品規格

DWL3000XY

DWL3500XY

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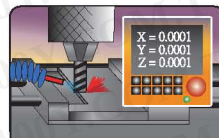
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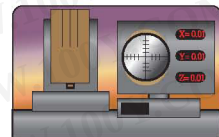
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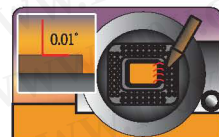
應用領域.....



精密CNC數控機器的設置與安裝



精密圖像測量設備的安裝與設置 (度量衡)



半導體機器設備的設置與安裝



實驗室的應用

Digi-Pas™

A division of VENTURA Group of Companies

2-Axis 數位雙軸

Professional

數位式電子雙軸水平振動儀



型號: DWL3000XY 系列

CAUTION
Strong Magnet



Digi-Pas™ DWL3000 XY 系列 含2年保修

Digi-Pas™ 產品在ISO質量體系中獲得SGS認證



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[Http://www.100y.com.tw](http://www.100y.com.tw)

搭配pro軟體可同步
記錄量測及分析數據

創新與精準實用的量測儀器

Product of Singapore



DWL3000 XY

數位式精密雙軸(X·Y軸)水平振動儀

創新與精準實用的量測儀器

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[Http://www.100y.com.tw](http://www.100y.com.tw)

型號DWL3000XY系列是一款數位式精密雙軸水平振動儀，特別為專業使用者設計。具有高分辨率、高精準度及快速量測的優點，並可即時連線下載和監控分析數據。

特別適用於一些高精度的設備和檢測儀器，方便快速的完成安裝和維護。

特點

- 彩色圖像顯示雙軸的角度和振動測量結果
- 實時數字與模擬顯示數據與分析
- 角度測量精準度高達 0.01° ($175\mu\text{m/M}$)
- 內置振動儀可即時進行角度監控
- USB接口可連接電腦，實現數據下載和分析

LCD顯示



主要圖標解釋



角度儀

在螢幕或電腦上顯示單/雙軸角度、測量結果的數據資料



振動儀

在螢幕或電腦上顯示振動監測結果的數據資料



新測量基準

可以幫助使用者自由選擇零點位置作為基準。



絕對水平設定

使用者在測量任何角度時都能正反兩面保持絕對水平



設定

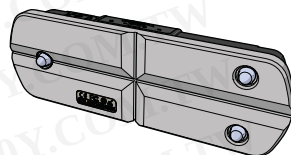
用戶可以自定義該裝置的各項功能參數



幫助

讓用戶的疑問能夠快速簡便地得到解答

用於特殊應用的三個觸點量測：



PC同步軟體

雙軸量測顯示紀錄



振動顯示紀錄



雙軸測量儀 (電腦顯示狀態)

軟體特點

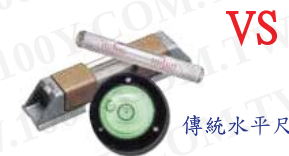
- USB連接至電腦可以遠端監控平面角度和振動、分析並處理數據。

Digi-Pas™ 數位式水平儀的優勢

- **速度**
即時數字顯示振動測量結果，快速反應、提高工作效率及成果。
- **清晰度**
數字彩色圖形顯示，能夠實時收集到測量結果並達到分析的目的。
- **精確度**
兩軸在電腦遠程測量中的精準度達到 0.01° ($175\mu\text{m/M}$)，是一般傳統的水平尺無法比擬的。



Digi-Pas™ 數位水平儀
Advanced MEMS Technology



VS
傳統水平尺

Digi-Pas™