

worldwide

DEWETRON

www.dewetron.com

DEWETRON

ULTRA PORTABLE DATA LOGGER



PC instrument with external display

8x analog, 7x counter, EPAD

iPod/iPhone remote control

DEWE-101-LOG

DATA SHEET

PRELIMINARY



Re-inventing Data Acquisition

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DEWESoft



A complete range of solutions for dynamic vehicle testing.



SOFTWARE

DESCRIPTION

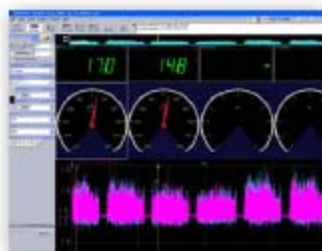
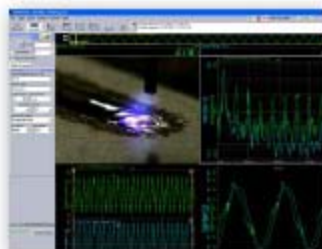
DEWESoft, award-winning data acquisition package is second to none when it comes to both pure recording power and ease of use.

Most data acquisition software packages allow you to display and record data from A/D boards, and control signal conditioners. Ofourse DEWESoft handles all that easily but that's just a beginning. In addition to A/D cards DEWESoft can also acquire data such as slow or fast video, GPS sensors, CAN bus interfaces and more. All that in perfect synchronisation.

DEWESoft main features:

- Easy-to-use
- Synchronous data acquisition of different sources
- Data export to almost any analysis package
- Powerful online mathematics and filtering
- Extensions for special applications
- DCOM programmable extensibility

More on <http://www.dewesoft.org>.



MEASUREMENT

DEWESoft offers interfaces to acquire data from analog, digital, counter, CAN, GPS and many other data sources fully synchronized.

DATA PROCESSING

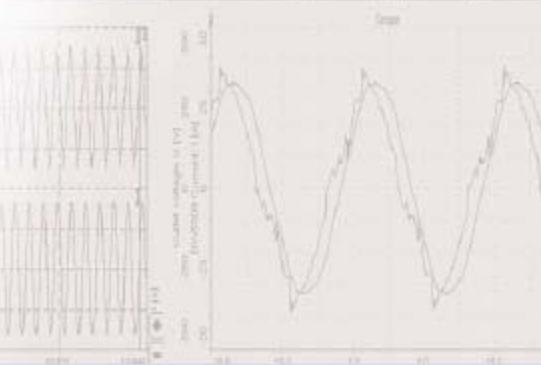
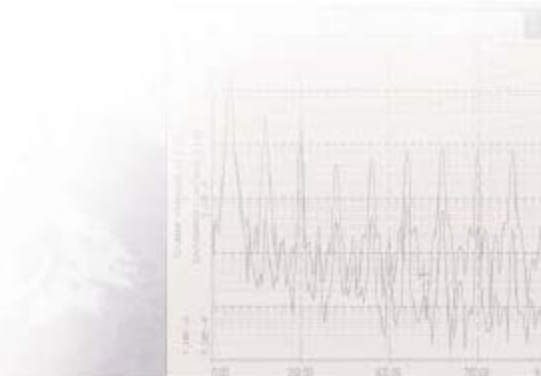
Dewesoft combines several worlds of data processing to calculate all kinds of math, formulas, statistics, state of the art power calculation, FRF, torsion vibration, order tracking, combustion analysis, acoustics and many more.

VISUALIZATION

Dewesoft offers many prepared displays which resemble classical recorders, FFT analyzers, oscilloscopes, but all the displays can be altered to create fascinating visualization of data.

ANALYZE

When you recorded gigabytes of data, Dewesoft reloads that data in a matter of seconds, allows zooming in, file replay on display and analog, easy printing and exporting data to your favorite post processing package.



...a complete range of solutions

www.dewesoft.com

DEWE-101-V

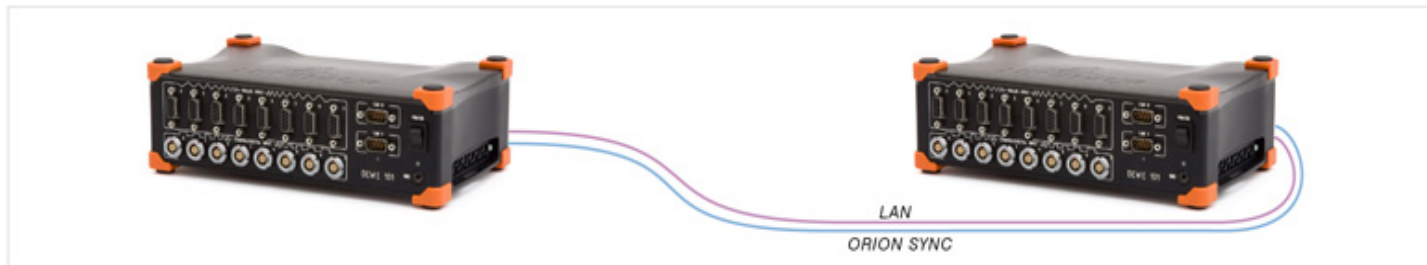
- Intel 低耗能處理器，30 GB 固態硬碟
- 8個類比輸入通道
 - 同步擷取，24-bit 取樣解析，204.8 KS/s 取樣速率，頻寬：76 KHz
 - 激勵電壓：±5 VDC @ 50 mA 及 12 VDC @ 100 mA
 - 電壓訊號：±0.01 至 ±10 V，或最大±200 V (選購MSI-BR-V200)
 - 全橋式訊號：±10 至 ±1000 mV/V
 - IEPE、Charge、溫度訊號可透由 MSI-BR-xx 轉接器
- 8組 Counter/Encoder 輸入通道，或當成24個數位輸入
 - 32-bit 長度，102.4 MHz參考基頻
 - 相容準位：TTL/CMOS
- 2組 CAN 輸入界面，相容於 CAN 2.0，1 MBaud
- 內建WLAN、LAN與USB界面
- 電源供應：6 至 36 VDC
- 附 DEWESoft 資料擷取軟體
- 標準配備價格：



DEWE-101 擴充



- DEWE-101可以透過USB界面，連接DEWE-43，輸入通道可擴充至16
- DEWE-101可以透過USB界面，連接DS-NET，輸入通道可擴充至100個以上

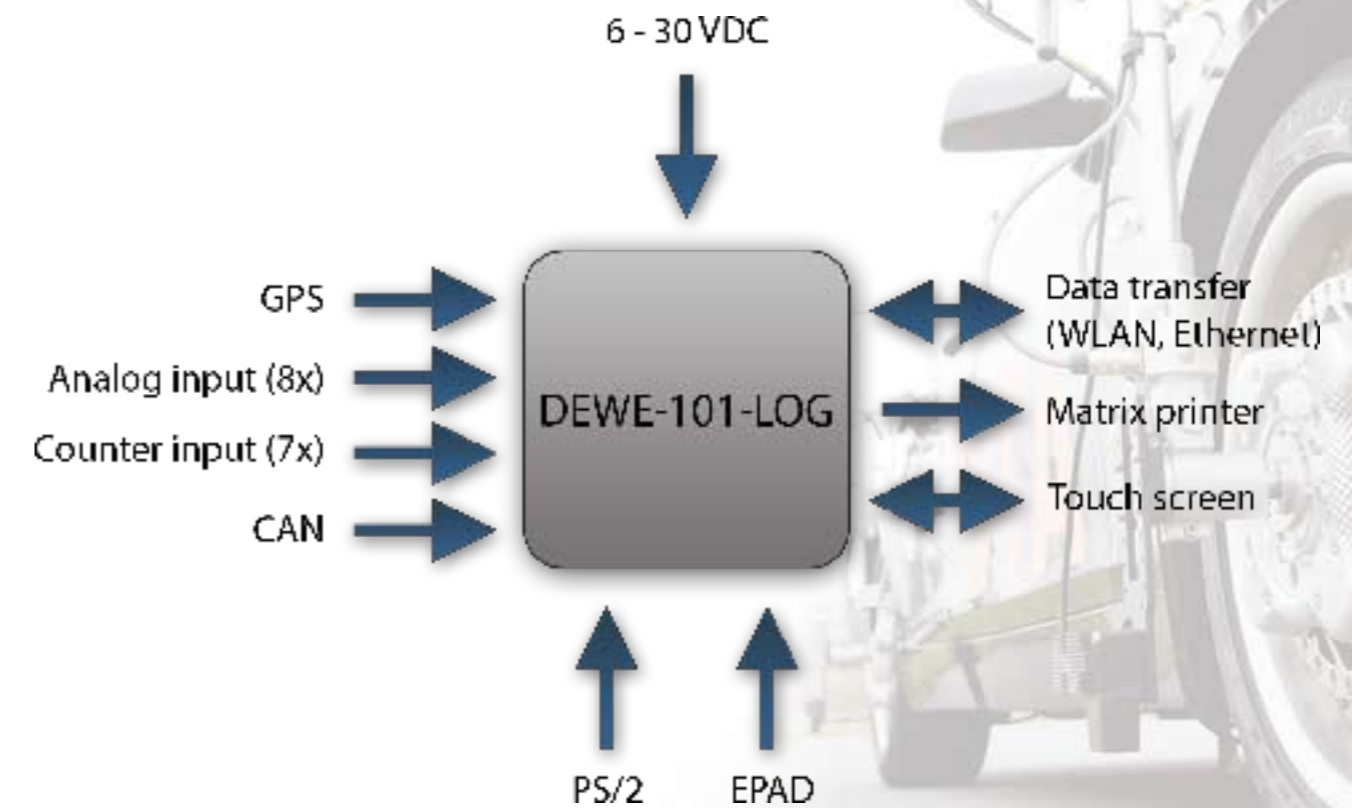


- 透由網路與ORION SYNC，達成2台DEWE-101完全同步擷取
- 透由網路與GPS訊號，達成多台DEWE-101完全同步擷取

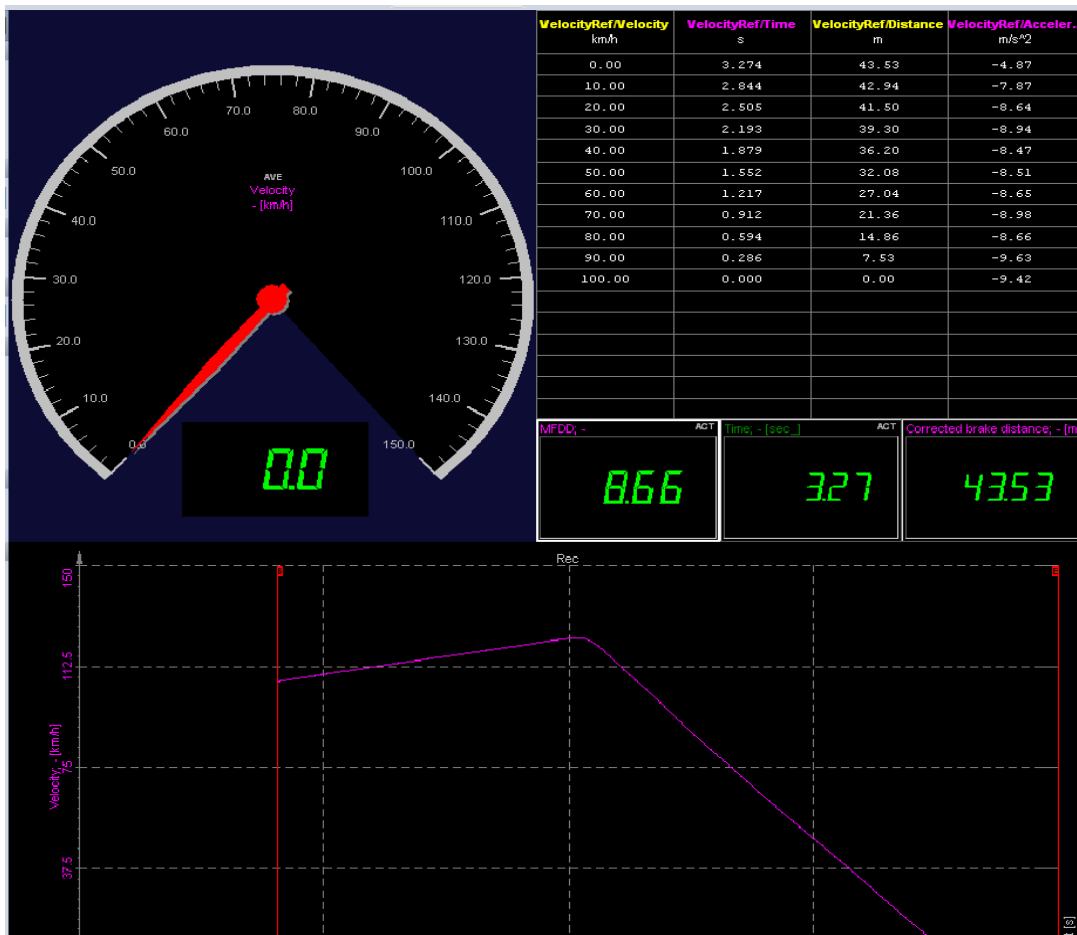


	DEWE-101-LOG	DEWE-101-V
ANALOG INPUT		
Number of channels	8 (simultaneously sampled)	
Input configuration	Differential	
Resolution	24-bit	
Type of ADC	Sigma-Delta	
Sampling rate	20 ks/s	
AMPLIFIER CHARACTERISTICS		
Input ranges	$\pm 10\text{mV}$, $\pm 0.1\text{V}$, $\pm 1\text{V}$, $\pm 10\text{V}$	
Input impedance	„1G Ω 33pF (differential) 10M Ω 33pF (common mode)“	
CMRR	>55dB	
Sensor supply voltage	+/- 5 V precise 50mA, 12 V@ 100 mA	
Voltage mode coupling	DC	
Overvoltage protection	100 V	
DYNAMIC CHARACTERISTICS		
Signal to noise @ $f_s < 100\text{Hz}$	< -100 dB	
Crosstalk	< -100 dB	
COUNTER DIGITAL INPUTS		
Number of channels	7	
Counter modes	event counting encoder input period, pulsewidth, duty cycle frequency measurement	
Resolution	32-bit	
Time base	50MHz	
Signal levels	TTL/CMOS	
Input voltage protection	30V	
CAN INPUTS		
Number of channels	N/A	2
Specification	N/A	CAN 2.0B
Physical layer	N/A	High speed

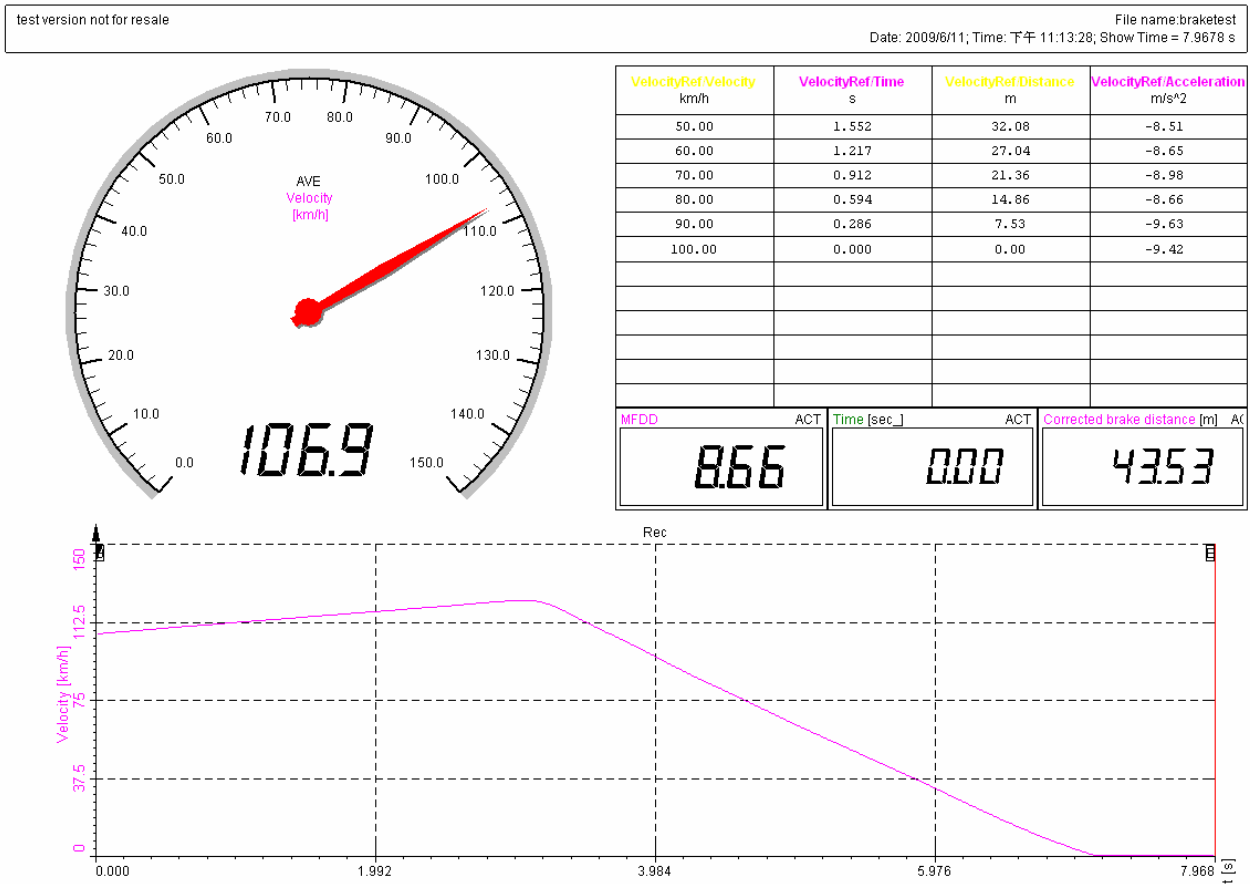
	DEWE-101-LOG	DEWE-101-V
ENVIRONMENTAL		
Operating temperature	0 ÷ 50°C	
Storage temperature	-20 ÷ 70°C	
Relative humidity	10 ÷ 90%	
POWER REQUIREMENTS		
Supply voltage	6-36VDC	
Supply overvoltage protection	80V	
Negative input voltage protection	-30V	
PHYSICAL		
Dimensions	210mm X 140mm X 80mm	
Weight	<2.5 kg	



可以自訂即時擷取資料顯示



擷取分析結果報表輸出

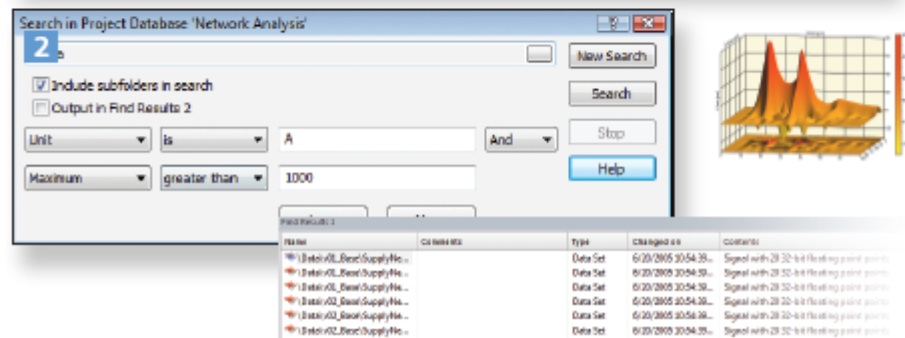
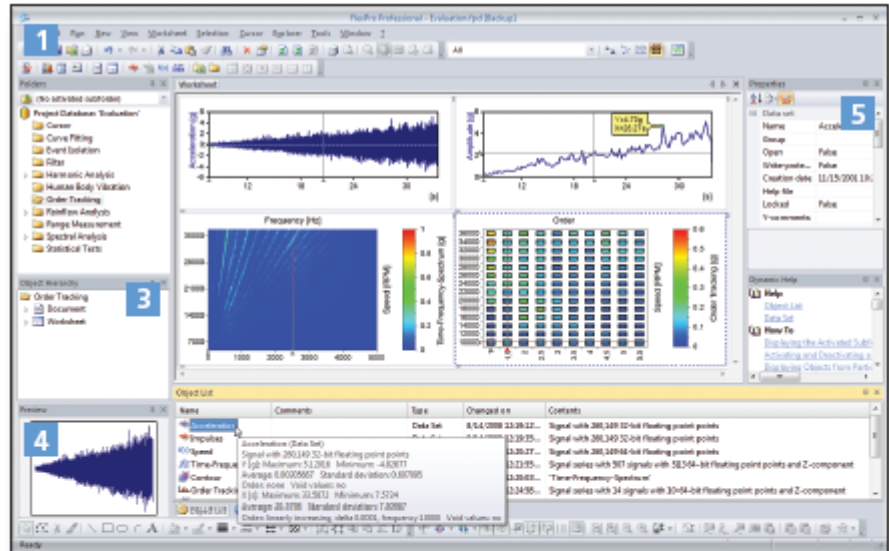


內建Sequence功能，可以自訂測試步驟流程，從測試開始，即時資料顯示，擷取資料儲存、計算，分析結果顯示、報表輸出，一氣呵成，一次完成！

DEWESoft 7 與後處理分析軟體

記錄資料轉檔輸出兼容于：

FlexPro
MS EXCEL
Diadem
Matlab
UNV
FAMOS
NSoft
Text
SONY
RPC III
ComTrade
WAV
BWF
ATI
SDF
WFT
Clipboard





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- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
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- Vietnam

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