



Vibration Instrumentation:
Acquisitions

Table of Contents...

Miniature Dynamic Data Acquisition 2

Portable Dynamic Data Acquisition..... 3

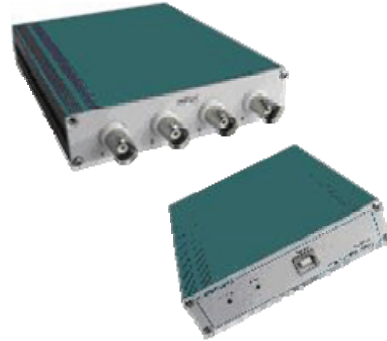
Quasi Dynamic Strain Test System 3

Dynamic Data Acquisition 3

High-Speed Dynamic Data Acquisition 4

Miniature Dynamic Data Acquisition YE6231

- 4 channels and 24-bit resolution
- synchronised acquisition
- 100kHz per channel parallel sampling
- USB2.0 interface
- Selectable signal input, (i.e. voltage, ICPE)
- Easy configuration
- Continuous acquisition
- Small in size and lightweight



Specifications

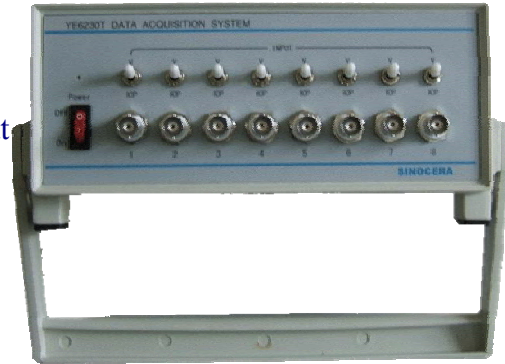
Channels:	Four per unit (four units can be used by one PC)
Input Voltage Range:	-10V to +10V peak
Input Impedance:	$\geq 10M\Omega$
ADC Resolution:	24bit (Delta-Sigma ADC, Digital Anti-aliasing filter)
Max Sampling Rate:	100,000Hz per channel with continuous
Sampling length:	Indefinite (free space available on the hard disk used)
ICPE Supply:	4mA and 24V _{DC}
Gain Settings:	10;100;1000mV /mV
High-pass filters:	ICPE: 0.3Hz Voltage: DC
Power Supply:	By computer via USB cable
Dimensions:	132mm(W)x25.4mm(H)x160mm(D)
Weight:	0.5kg
Operating Temperature:	0-60°C
Storage Temperature:	-55 to +85°C
Maximum Humidity:	95%R.H.

Accessories

Input Cable:	Four cables for conditioners selected
Interface Cable:	One USB2.0 cable
Software:	ADC control and common functions of dynamic data analysis including harmonics and sideband analysis tools.

Portable Dynamic Data Acquisition YE6230B

- 16 channels, selectable voltage/ICPE input
- 100kHz per channel parallel sampling
- Interface: USB2.0



Quasi Dynamic Strain Test System YE6265

- 16 channel combination with 4 channels per card
- 200Hz per channel parallel sampling
- USB2.0 interface
- High accuracy, high gain, low noise
- Selectable wireless transfer modes



Dynamic Data Acquisition YE6267

- 8-32 channels, random combinations
- 100kHz per channel parallel sampling
- USB2.0 interface
- Various optional pre-amplifiers



High-Speed Dynamic Data Acquisition YE6268

- 8-32 channels, random combinations
- Expandable to 128 channels via IEEE1394 interface
- 2 channel signal sources
- 200kHz per channel parallel sampling
- Various optional pre-amplifiers



Specifications

Number of Channels:	8-16-32 Random Combine
Channel Bandwidth:	200,000Hz sps
Accuracy:	$\pm 0.4\%$
A/D Resolution:	16 bit
Signal to Noise ratio:	$\geq 72\text{dB}$
Data Transmission Mode:	IEEE 1394
Sampling Rate:	Synchronized continuous sampling 200,000Hz per Ch
LPF Roll-Off:	$\geq 100\text{dB}$ from f_0 to $2f_0$
Samplint Length:	Indefinite (limited by capacity of PC's hard drive)
Triggering Mode:	Threshold, manual/software, external signal
Analog Output Conversion Frequency:	$\geq 50\text{kSPS}$
Analog Output Voltage:	$\pm 5\text{VP}$
D/A Resolution:	16 bit
Dimension:	276mm(W)x132.5mm(H)x320mm(D)
Power Source:	220V 50Hz
Weight:	$\sim 5\text{kg}$

Accessories

Model YE3823	V/IEPE Signal Conditioner
Model YE 5864	PE/IEPE Charge Singnal Conditioner
Model YE3830	Strain Gage Signal Conditioner
Power Cable	One
IEEE 1394 Cable	One
IEEE 1394 Interface Card	One (Order Specify)
User Guide	One
Application Software CD	One (YE7600 Basic Control & Test Software)
Certificate	One