

Hand-held Data Recorder VTS-U80

Hand-held Data Recorder VTS-U80 is compact and powerful ruggedly data acquisition system with data recording ,dynamic signal analysis and Universal input in one box , Analog and Digital Signal from voltage ,current, shock , acoustics, vibration, displacement, overload, strain, gyro, temperature, pressure and GPS can be acquired, monitored and recorded with real time FFT display and PSD analysis .



Features:

- 8 Analog Input channels : Voltage,Current,ICP
- A/D: 16 bit
- Accuracy :0.1%
- Sampling Rate : Max. 100 KS/S, Total :400 KS/S Continuous Sampling
- Intelligent Detecting Power On/off of Sensor Automaticly
- Plug and Play ,USB Powered
- USB Powered or 5 VDC
- Compact and Rugged,Mouldproof ,Moistureproof and Saltyfog proof Design .
- Data Recording an Real time FFT,PSD in one
- Gview Technology ,100GB data displayed at moment
- Data Batch processing ,Test Report automaticly generated
- Support DASYPAB ,Simple Selfdefinition Audition ,Control ,acquisition ,recording and analysis are all in one .
- VisualStudio /VisualStudio.NET(VisualC++,VisualC#,VisualBasic,VisualBasic.NET)/NILabVIE W/DASYLab /MATLABDataAcquisitionToolbox
- Operation System : Windows7/Vista. /XPSP2, LinuxandMac.



Analog Input Channel

VTS-U80 can be connected to all kinds of signal from sensors such as Voltage,current,Strain-gage (1/4,half and full bridge),Strain-gaged sensor,LVDT ,Thermocouple ,ICP Sensor .

Automatic Detection of Power on/off to Sensor

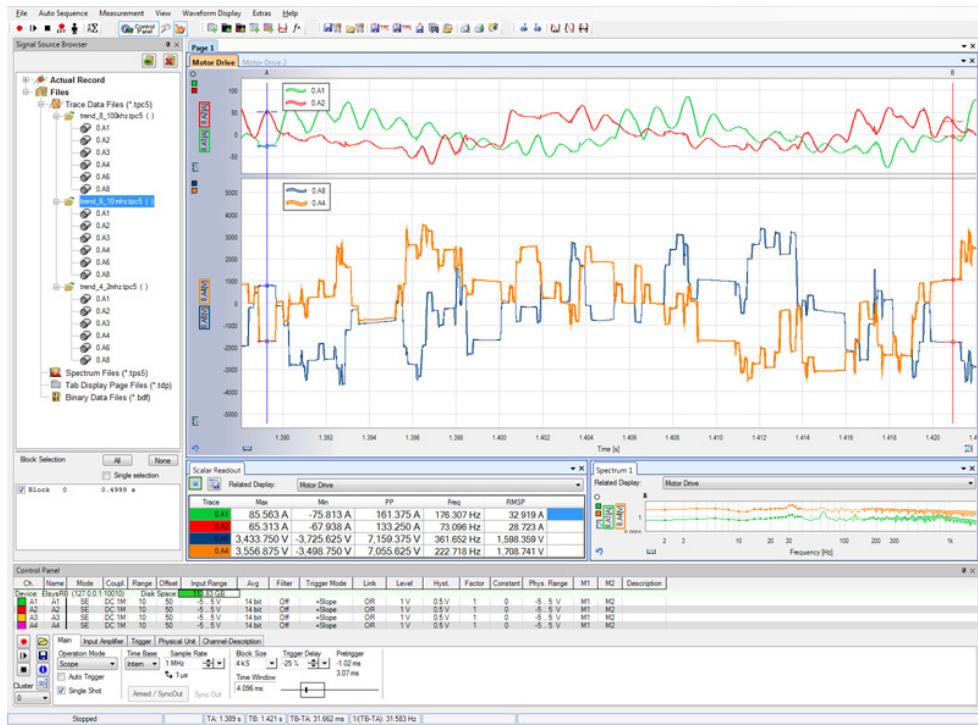
NTI-U80 can automatically detect the connection of cable ,the test failure for each testing channel .

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Usability

Interface and operation is simply designed ,all setup is finished in one interface .No need to be training for no professional engineer .



VTS-U80 integrates data recording, real-time FFT and PSD Analysis all in one .

Real-time FFT and PSD Analysis can be done while data recording .the parameters

for FFT analysis and PSD Analysis can

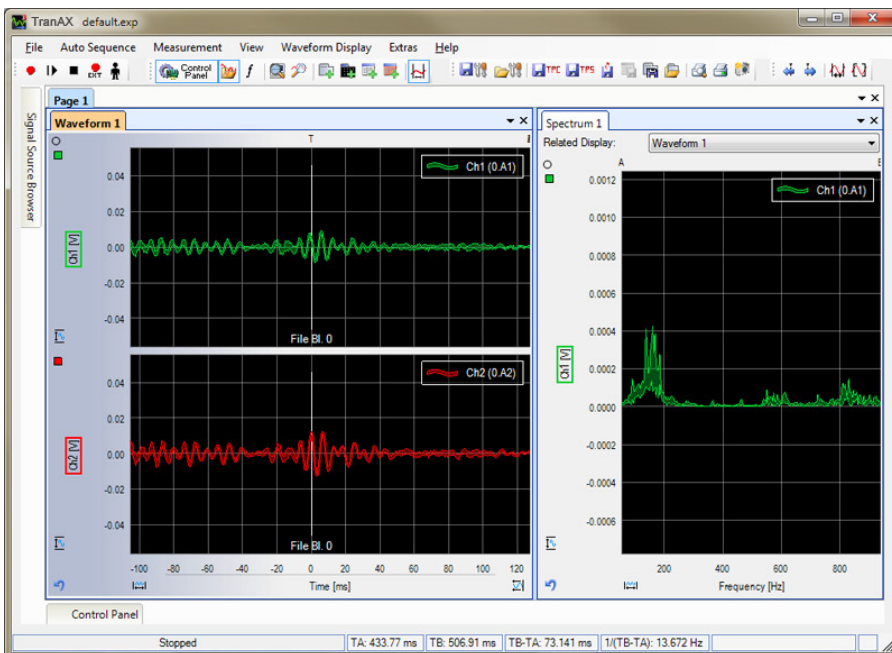
be changed simultaneously. Zoom analysis for FFT can be done while data recording .

Data playback and real time data can be displayed in one picture with full information .



GView Display Technology

VTS-U80 can display data saved in file with giant GB with GView display technology at moment ,
 No need to wait for long time .
 You may see all information about the test result .



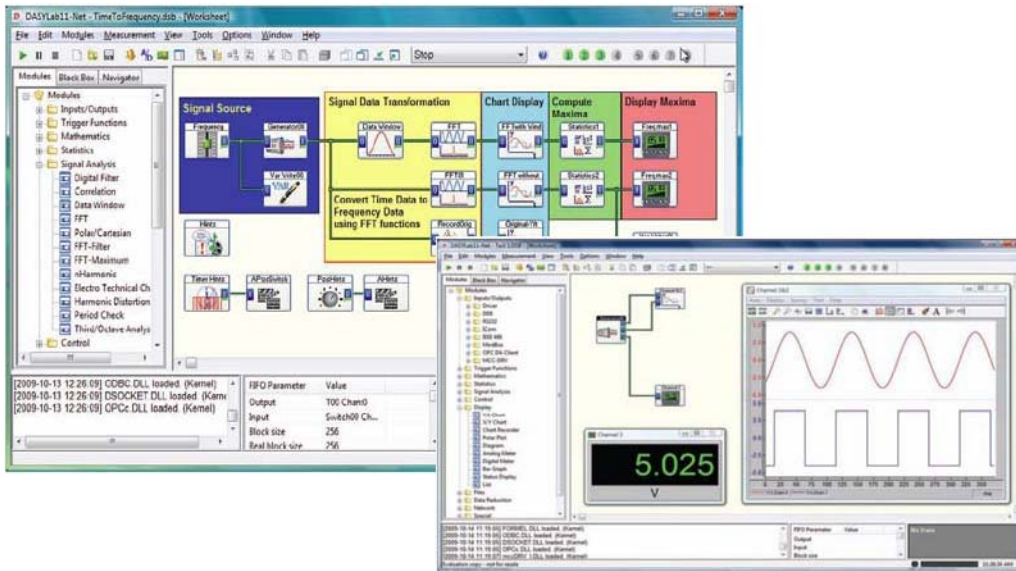
Support the third party software

NTI-U80

Support

VisualStudio/VisualStudio.NET/NILabVIEW/MATLABDataAcquisitionToolbox,

you may develop your own programm Easily .



Model	VTS-U8-ICP	VTS-U80-ICP	VTS-U8-V	VTS-U80-V
Input channel	8		8	
Signal Voltage	Voltage : $\pm 1V \dots \pm 10V$		Voltage : $\pm 1V, \pm 5V, \pm 10V, \pm 50V, \pm 100V$	
	ICP/IEPE			
Accuracy	0.1%			
Max. Sampling rate /Channel	VTI-U8		VTI-U80	
	50KS/S		100KS/S	
Data recording Total Sampling rate	VTI-U8		VTI-U80	
	100KS/S		400KS/S	
Interface	USB2.0			
Power	USB or 5VDC			
Operating Temperature	$0^{\circ}C \sim 70^{\circ}C$			
Store Temperature	$-40^{\circ}C \sim 70^{\circ}C$			
Humidity	0%~100%			
Protection	MouldProof, Waterproof and Saltyfogproof			
Dimension and Weight	95×46×130mm, <1kg			
Third Party software	VisualStudio®/VisualStudio.NET (VisualC++, VisualC#, VisualBasic, VisualBasic.NET)/NILabVIEW /DASyLab/MATLABDataAcquisitionToolbox			