

VS – 7700 Series



Dynamic Data Acquisition For Sound & Vibration

Up to 16 Channel Dynamic Data Acquisition For Sound & Vibration Signal

- *Condition Monitoring*
- *Sound & Vibration Data Analysis*
- *Rotating Machine Fault Detection*
- *One or Two Plane Balancing*
- *Audio Device Sound Quality Test*
- *Seismic Signal Monitoring*
- *Environmental Sound & Vibration Monitoring*
- *Vibration Exciter Signal Control*
- *Fault Machine Vibration Simulation*



Advanced Automation System

AUTOSYS

Specifications

Input

No of Channels	2, 4 ~ 16 Channels
Coupling	AC, DC
Input Range	±10 Vpeak
Frequency Range	0.1Hz~12.8 KHz
Dynamic Range	110 dB (24Bit A/D)
Supported Sensor	ICP Type , Voltage Type -24V Proximity

Analog Output

No of Channels	2 Channels
Output Range	±10 Vpeak
Output Impedance	50 Ohm
Frequency Range	DC ~ 25.6 KHz
Dynamic Range	110 dB (24Bit A/D)
Waveform	Fixed Sine (Continuous or Burst) Random (Continuous or Burst) Sine Sweep

Digital Output

No of Channels	4 Channels
Output Type	Relay Dry Contact
Contact Current	5 A

Digital Input

No of Channels	4 Channels
Input Type	Open Collector / Photo Isolation
Sink Current	100mA / 24 V DC

Trigger

Source	Internal , External, Remote Command
Internal	Specified Channel Signal Level
External	By Digital Input port
Trigger Position	Pre or Post, Set By No. of Points
Level	Specified Value

Network

Ethernet	10/100 Base-T
RS 232C	2 Ports

Main Processor Specification

CPU	: TI - 6713 DSP
Speed	: 2.4 GFLOPS
Data Memory	: 256 MB (Time Buffed Memory)
FPGA	: 400 K Gate For Re Configurable Digital Filter & Sampling Control
All Channel Synchronized 24Bit Sampling Control	

External Display

320 * 240 Pixels	
Touch Panel Interface	
TFT LCD	: 3.5 Inch / LED Back Light

Supported Software

Condition Monitoring
Bearing & Gear Fault Detection
Fault Machine Simulator For Rotor Vibration
Vibration Exciter Control
Structural Dynamic Test
Balancing S/W
Audio Device Test
Seismic Signal Monitoring
Environment Sound & Vibration Monitoring

General

Power	: AC 110~220V or 12V DC/ 2A (Optional)
Dimension	: 320(W)×300(D)×94(H)mm
Weight	: 5.4 Kg

Ordering Information for Options

DDQ 7700 Basic Framework	4, 8 or 16 Channel/25.6KHz
Extended Frequency Range	0.1~51.2 KHz
Analog Output	2 Channels
Network	100 Base-T
External Display	3.5 Inch LCD Monitor with Touch
Supported Software	

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