

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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