



SDTK

ITM Vibration Test Kit Solutions

DAQ SPECIFICATIONS:

- +/-5V, IEPE & AC/DC Input
- 51.2 kS/s/channel Sampling Rate
- 24-bit resolution
- -40 to +158 F Operating Range
- 5 g vibration, 50 g shock

SENSOR SPECIFICATIONS:

- Single Axis Accelerometers
- 10 mV/g Sensitivity
- +/-500 g Measurement Range
- 5000 g Peak Overload Limit
- 30' Integrated Signal Cable
- 10' Armor Jacket
- Magnetic Mounting Bases
- -65 to +250 F Operating Range

SYSTEM APPLICATIONS:

- Structural Design Validation
- Vibration Testing
- Modal Testing

COMMUNICATION OPTIONS:

- Ethernet
- USB

For More Information and Pricing Contact:

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Whether you are collecting data for operating deflection shapes (ODS) or measuring overall vibration levels for ISO standards, ITM's Vibration Test Packages contain all the hardware needed to acquire quality data. The Vibration Test Package options range from 4-channels up to 32-channels. They include National Instruments cDAQ chassis combined with NI-9234 accelerometer input cards, power supply, and industrial accelerometers. These items are packaged in a rugged, portable case for storage and transport. Use ITM's iTestSystem software to stream the vibration data from the cDAQ chassis directly to your laptop as well as a Light Tach Kit for speed measurements and data processing.



Figure 1. SDTK Packages (8 Slot & Single Slot)

Test Kit Hardware Features

- 1, 4, and 8 Slot Chassis Options
- Up to 32 Channel Capacity
- +/-5V, IEPE Analog Input Cards
- 10 mV/g Industrial Accelerometers
- USB and Ethernet Connectivity
- Portable Industrial Carrying Case

iTestSystem Software Features

- Real Time Data Collection
- High Speed Streaming
- Real Time Processing
- Post Test Processing Capabilities







	Single Slot Chassis (4-Channel Capacity)	4 Slot Chassis (16-Channel Capacity)	8 Slot Chassis (32-Channel Capacity)
USB			
ETHERNET			

Table 1. SDTK DAQ Hardware Options

Part Number Configurator – SDTK-XX-XX-XX

Kit Series	Chassis Size	No. of Channels	DAQ Type
SDTK	XX	XX	XX
	01 – 1 Slot	01 – 1 channel	01 - USB
	04 – 4 Slot	02 – 2 channels	02 - ETHERNET
	08 – 8 Slot	(Up to 32 channels)	

Common Configurations:

Part Number	Chassis Size	No. of Channels	DAQ Type
SDTK-01-04-01	1 Slot	4 channels	USB
SDTK-04-12-01	4 Slots	12 channels	USB
SDTK-08-20-02	8 Slots	20 channels	ETHERNET



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