EMPOWERING TECHNOLOGY

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Top stories in this newsletter

3683C - 538 deg C HT Tri-axial Accelerometer

146 AE - New Rugged Free Field Microphone

Rugged DAS - Real time streaming & On board recording

High Frequency Test Rigs for Elastomer Mounts

High Temperature Tri-Axial Accelerometer

The Dytran model 3683C takes high temperature vibration testing to a new level. The triaxial charge mode accelerometer operates up to +1000°F (+538°C)—a breakthrough product in the sensor field. The model has 1–2 pC/g sensitivity with a 3,000 Hz upper frequency range (±3dB). The 3683C is case isolated and hermetically sealed. Its robust design and unique center through hole mount allow for 360° orientation

The 3683C's main applications are: testing gas and steam turbines for power generation in aircraft; nuclear power plant testing; exhaust and catalytic converter studies; rocket engine testing; automotive engine testing; and any other vibration measurement testing within high temperature environments.

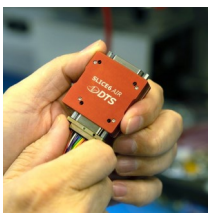
Rugged Acoustic Sensor for NVH Testing

IEC 61094-4/WS2F
Freq range: 3.15 Hz to 20 kHz
Dyn range: 18 dB(A) to 133 dB
Sensitivity: 50 mV/Pa
Temperature: -40 to +125°C
Humidity: 10 – 90%
IP67 .

Applications:

Engine Noise Testing
Brake Noise On Road Testing
Powertrain Noise Testing
Exhaust Noise Testing
Road Noise Testing
Passby Noise Testing
Brake Noise Dynamometer Testing

Rugged DAS - Real Time Streaming & On Board Recording



Standalone, full signal conditioning, onboard recording and real-time streaming.

Recording Mode: Up to 400k sps on all channels, programmable Streaming Mode: Up to 20k sps IRIG-106 (Ch10 or TmNS)

6 channel module; standalone, network or integrate into existing FTI Up to 500 g shock rating

Data writes to 16 GB non-volatile flash memory

Synchronization - IEEE 1588 PTPv2, IRIG-B122, GPS/1PPS

Environmental : -40° to 80°C, IP65, MIL-STD-810G, MIL-STD-461G

Software Interface Options: DataPRO, API, LabView, IRIG-106 (Ch10 or TmNS)

High Frequency Test Rigs for Elastomer Mounts

The m+p HFDST-3000-E extends the boundaries in dynamic testing of automotive elastomer mounts. Measuring the dynamic stiffness of automotive elastomer components in frequency ranges up to 3,000 Hz becomes more and more important when designing the acoustic characteristics of modern cars, especially if equipped with an electric motor. A wide range of different engine mounts, chassis mounts, suspension bushes, vibration absorbers, etc. can be characterized with m+p international's high-frequency test rig.

The test rig is designed to test the stiffness of the specimen in the range of 250 N/mm to 50,000 N/mm for frequencies from 50 Hz to 3,000 Hz

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