

SQD-41 - TECHNICAL SPECIFICATIONS

	SQD-41	SQD-41S
Analog Input Features		
4, single-handed, simultaneous channels	✓	✓
24-bit resolution	✓	✓
High-Pass Filter [Hz]	0.5	0.1
AC/DC Coupling	✓	✓
Current Source [mA]	4	4
Maximum Sample Rate/Ch [kHz]	52.7	52.7
1 Tachometer	✓	✓
±30 V Tachometer Input Range	✓	✓
Analog Output Readback Capability	-	✓
Other Features		
Multiple Module Synchronization	-	✓
Connectors	BNC	BNC

FASTTRACER - TECHNICAL SPECIFICATIONS

Range	± 5g, optional ± (2g, 18g)
Bandwidth [Hz]	0-2500
Tolerance	< 5% (0-1000Hz)
Dimensions [mm]	30 x 55,5 x 15
Weight [g]	55
Protection Rating	IP67
Shock Resistance	10.000g
Operating Temperatures	-20 ÷ 70 °C

HOW TO REACH OUT

Please feel free to contact us at the references below for any information concerning products, applications and services, our engineers will get back to you with their expertise to find the best pairing monitoring sensors to your SQD-41.



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Sequoia DAQ Systems

Universal Dynamic Measurements



SQD-41®/SQD-41S®

4-Channel Universal Module

Small and portable, USB powered data acquisition module, ideal for high-accuracy dynamic noise, vibration, and acoustic measurements and acquisition.



4 IEPE/VOLTAGE INPUTS

The module comes with a set of four high dynamic, simultaneous, 24-bit Delta Sigma ADC's analog inputs, with a sample rate of up to 52.7 kHz.



USB POWERED PLUG & PLAY

The SQD-41 does not require any external proprietary cable to be powered, you simply need a common USB to plug and power it, for example, through your laptop.



COUNTER/ENCODER/DIGITAL INPUTS

The module is configured with one counter/encoder input.



BEST QUALITY, COMPETITIVE PRICE

The SQD-41 will make your measurements as cost efficient as ever, being less expensive than its competitors.



SYNCHRONIZATION OF MULTIPLE MODULES

It's possible to connect multiple SQD-41S modules to synchronize the acquisition of sound, vibration and signal data at the same time.

For Any Measurement You Need It
SQD-41 is Ready



RPM



Force



Acceleration



Torque



Pressure



Sound



Strain

FastTracer®

Triaxial Vibration Analyser

All-in-one sensor with an integrated triaxial accelerometer. Easy, fast and ready to go.

USB POWERED PLUG&PLAY

The FastTracer does not require any external proprietary cable to be powered, you simply need a common USB to plug and power it, for example, through your laptop.



EASY TO USE

Thanks to its integrated DAQ system, measurements will be easy, fast and effective.



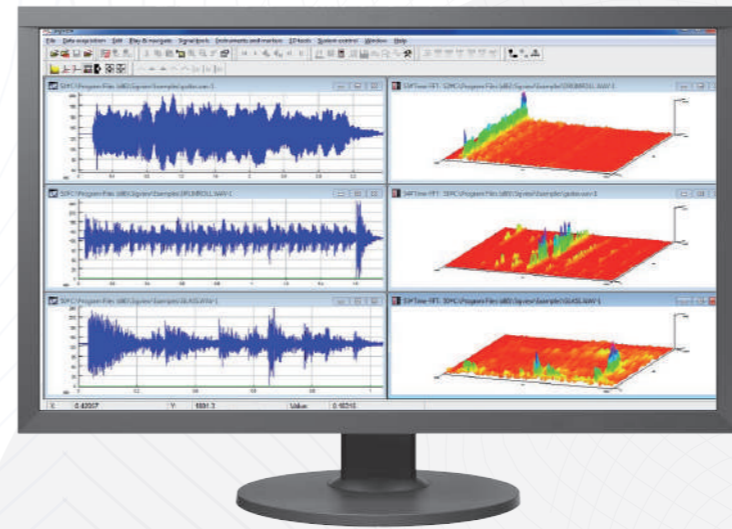
COMPETITIVE PRICE

Not needing additional components makes the FastTracer the best value for money for vibration acquisition.



TRIAxIAL DATA ACQUISITION

The integrated triaxial accelerometer allows the acquisition of all signals coming from the analysed phenomenon.



Our Partner's Data Acquisition Software
Included for Free
(compatible with all our products line)

SIGVIEW® Acquisition and Analysis Software

MAIN FEATURES

- Real time data and signal analysis;
- Import and export of signal files in multiple formats;
- Julia Language embedded scripting;
- Optimized FFT Algorithm;
- Spectrogram and Time-FFT functions;
- 3D signal filter;
- Various statistics functions;
- Advanced signal display;
- Custom tools and workspaces.

APPLICATIONS

- Vibration Analysis;
- Generale Suond Analysis;
- Seismic Signal Analysis;
- Numerical Mathematics;
- Voice Signal Analysis;
- Noise Detection, Analysis and Removal;
- Signal and Electronic Intelligence;
- Statistical Data Analysis;
- Education.