

TOP STORIES THIS NEWSLETTER



LINK M-4000 VMAX
On road Vehicle Datalogger



Scan and Paint 3D



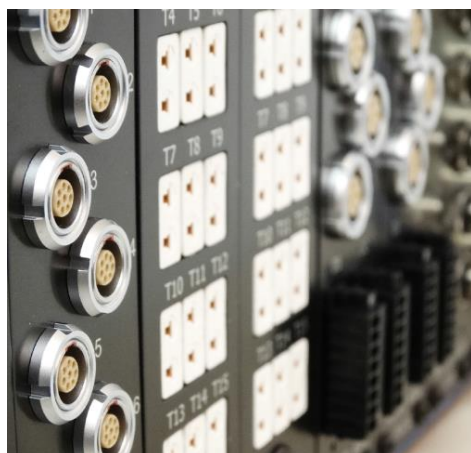
Ultra-Thin Precision
Microphones



Dynamic Rotation
Exciter

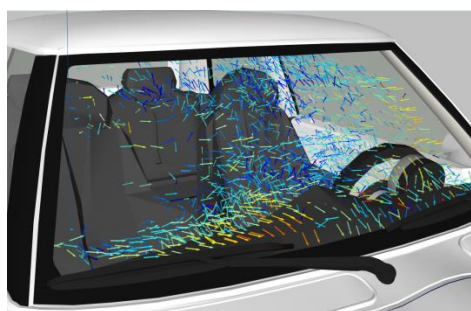
LINK M-4000 VMAX - On road Vehicle Datalogger

Link Engineering Company's V-Max 4000 provides the latest in modular data acquisition system technology. The combination of high sampling rates, reliability, modularity and versatility make the V-Max 4000 ideally suited for your precise test applications.



- Runs ProLINK, common to LINK laboratory systems
- 1000+ summary variables on every recording
- Sample rates up to 51.2 kHz depending on channel
- 13 modules from which to choose
 - o Analog input/output/Differential – 8 channels
 - o Temperature – 15 channels
 - o NVH – 6 channels
 - o Pulse, Digital input/output 5 channels
 - o CAN- 4 channels
 - o POE Ethernet, Video Module
 - o CPU

Scan and Paint 3D



The Scan&Paint 3D is a groundbreaking new portable, all-in-one box solution for acoustic measurements. It is a unique tool for acoustic trouble shooting and sound source localization, allowing you to visualize what you hear. It makes complex problems simple and easy to understand.

Broadband Solution | 20Hz - 10kHz
Fast Method; short setup, measurement and processing time
3D visualization of:

- Sound intensity vectors
- Particle velocity vectors
- Sound pressure distribution

Localize your sound sources and visualize the sound propagation in full 3D.

Ultra-Thin Precision Microphones



GRAS have developed the new UTP microphones – Ultra Thin Precision microphones. They combine all the advantages of the classical measurement microphone – wide frequency range, accuracy, and repeatability – with an ultra-small form factor, only 1 mm in height. Therefore, they are ideal for measurements in boundary layers and turbulence.

- Low profile – just 1 mm.
- 1/4" condenser microphone.
- Wide frequency range - 10 Hz to 70 kHz
- Wide dyn. range - 54 dB(A) to 170 dB.
- Integrated cable. The line arrays come with a single cable with D-Sub.

Dynamic Rotation Exciter



The dynamic rotation exciter is used for calibration of gyro transducers (angular rate/angular acceleration) as well as for the characterization of devices (e.g. MEMS sensors).

The DRE-01 Dynamic Rotation Exciter has been developed as a versatile and precise vibration rotation exciter. It can be used for the calibration of transducers as well as for the characterization of devices requiring a vibration rotation input. A typical application can be the determination of properties of MEMS sensors and sensor components in the development phase.

Designed as an electro-dynamic exciter the DRE-01 can be easily combined with many standard laboratory devices like signal generators or vibration controllers. The devices under test (DUT) can be attached by glue, wax, screws or clamp adapters and also customized DUT adapters can be provided on request.

Torque, max. (sine peak)	0.95 Nm
Frequency range	1 Hz...5 kHz
Angle, max. (peak - peak)	30 °
Angular velocity, max. (sine peak)	5,300 °/s
Angular acceleration, max. (sine peak)	2,500000°/s ²
Mass moment of inertia of bare table	22 kg·mm ²
Mass moment of inertia of payload, max	28 kg·mm ²