

Advanced Signal Analysis System for HEV/EV

Sensors (Transducers)

Battery

- Voltage & Current
- Thickness (LDV)
- Vibration (Acceleration sensor)

Inverter

- Sound (Acoustic sensor)
- Vibration (Acceleration sensor)
- Drive Voltage & Current
- Displacement (LDV)

Engine

- Temperature
- Sound (Acoustic sensor)
- Vibration (Acceleration sensor)
- Rotation (Rotation Detector)
- Torque (Torque Meter)
- Drive Voltage & Current

Performance data

Vibration data

Sound data

Modular Type Data Acquisition Platform DATA PLATFORM GL7000



- The amplifier module can be expanded up to 10 modules
- Attaching the touch panel display allows stand-alone operation
- Variety of destination to save the recording data

Voltage

Voltage/Temp.

High Speed Voltage

High Voltage

DC Strain

Charge

Output voltage

Logic/Pulse

Reading data

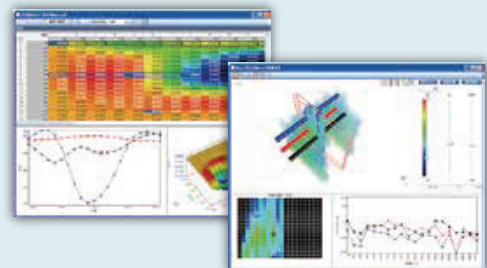


Edit huge amount of data flexibly

Freely layout and overlap the simultaneous display of different data formats. The format of waveform diagram is selectable - entire or enlarged. Wide range of editing function (including cutting out) are also provided.



Creates excellent reports incorporating graphs from huge amount of data



Measurement

Analysis & Visualization

Check List for Analysis function

Signal processing	OS-2000	GL-C	Check	Waveform analysis	OS-2000	GL-C	Check
• Simple operation	●	●		• Basic statics analysis	●	●	
• Moving average	●	●		• 2 variable analysis	●	×	
• Event counter	●	×		• Frequency analysis	●	×	
• Search value extraction	●	●		• Standard frequency analysis	●	●	
• Time axis calculus	●	●		• Standard frequency analysis EX	●	●	
• Level adjustment	●	●		• Cross frequency analysis	●	●	
• F/V converter	●	●		• Cross frequency analysis EX	●	●	
• Inter-channel calculation	●	●		• Constant width tracking analysis	●	×	
• Resampling	●	×		• Time frequency analysis	●	×	
• Hilbert transform	●	×		• 1/N octave analysis	●	×	
• Taper processing	●	×		• Sound quality evaluation	●	×	
• FIR filter	●	×		• Speech intelligibility	●	×	
• IIR filter	●	●		• Fluctuation sound analysis	●	×	
• Effective value calculation	●	●					
• Fluctuation sound simulator	●	×					

Data editing	OS-2000	GL-C	Check	Custom	OS-2000	GL-C	Check
• Channel setting	●	●		• Statistical processing	●	●	
• Signal type setting	●	●		• OC-1300 controller	●	×	
• Merged file generation tool	●	×		• Playback (OSRECO)	●	●	
• File merge tool	●	×		• Recording (OSRECO)	×	●	
• Waveform generator tool	●	×		• Signal calibration	●	●	
				• Graphic equalizer	●	×	
				• Parametric equalizer	●	×	
				• Non-time series graph	●	●	
				• Synchronizer	●	×	
				• Recording condition setting (DR-7100)	×	●	
				• Meter	●	×	
				• Continuous automatic analysis	●	×	
				• Combustion analysis monitor	●	×	
				• Video monitor	●	×	

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 For using equipment in correctly and safely

• Before using it, please read the user manual and then please use it properly in accordance with the description.
• To avoid an occurrence of malfunction or an electric shock by leakage, please ensure ground connection and use it in specified power source.

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