Model and Highlighted Features:

GL7-HV “High Voltage Module”

- High Speed (1MS/s), High withstand voltage (Maximum input voltage 1000V), Suitable for power supply line or Electric/Hybrid vehicle measurements.

■ GL7000 Specification of High Voltage Amplifier	
Module number	GL7-HV
Number of input channels	2channels/1unit
Input connector	Isolated BNC connector
Input method	All channels isolated unbalanced input, Simultaneous sampling
Sampling Speed	1M samples/s (Maximum)
Built in RAM	2M words
Input coupling	AC, DC, AC-RMS, DC-RMS
Measurement range	AC, DC : 2-1000V F.S. AC-RMS, DC-RMS : 1-500Vrms F.S. Crest factor: 1-200Vrms (C.F4), 500Vrms (C.F2)
A/D Converter	Successive Approximation type, 16bits Effective Resolution: AC, DC coupling 1/40000 of measuring full range AC-RMS, DC-RMS coupling 1/20000 of measuring full range
Maximum input voltage	Between (+) / (-) terminal : 1000Vp-p Between channels ((-) / (-) terminal) : 1000Vp-p Between channel ((-) terminal) / GND : 300VACrms
Maximum voltage	Between channels ((-) / (-) terminal) : 2300VACrms (1minute) Between channel ((-) terminal) / GND : AC2300rms (1minite)
External dimensions (W x D x H)	49 x 136 x 160mm (Excluding Protection)
Weight	Approx. 740g

GL7-DCB “DC Strain Module”: Module will be released in April.

- Simple strain gage measurement mounted by built-in bridge. Simple connection by TEDS functions. Support variety filters and adjustment functions.

■ GL7000 Specification of Strain Gauge Amplifier	
Model number	GL7-DCB
Number of input	4chnnels/1unit

channels	
Input connector	D-SUB 9pins (female) STD accessories: D-SUB 9pin(mail) x 4pieces Option accessory: Wiring converter (D-SUB/Universal connector)
Input method	All channels isolated balanced input, Simultaneous sampling
Sampling Speed	100k samples/s (Maximum)
Built in RAM	2M words
Input type	DC Voltage, Strain, Resistance(Potentiometric)
Measurement range	Strain: 500-20000μST, 0.25-10.0mV/V DC Voltage: 1-500mV, 1-5V Resistance: 1-500ohm 1k-50kohm
A/D Converter	Successive Approximation type, 16bits Effective Resolution: 1/40000 of measuring full range
Gauge Ratio	2.0 constant
Bridge Sensor Strain Gauge Resistance	{ Bridge Sensor} 4- or 6- wire full bridge (6-wire : Remote Sensing) 4-wire full bridge with constant current excitation {Strain Gauge} 2- or 3- or 4-wire 1/4 bridge (3- or 4-wire:Remote sensing) 3- or 4- or 5-wire 1/2 bridge (4- or 5-wire:Remote sensing) 4- or 6-wire full bridge (6-wire:Remote sensing) 4-wire full bridge with constant current excitation Resistance: Potentiometric, Resistance
Bridge Resistance	50-10kohm
Internal resistor	Quarter, Half bridge: 120ohm/350ohm and Half bridge resistor
Excitation Voltage	DC1, 2, 2.5, 5, 10V
Constant Current Excitation	Current: 0.1, 0.2, 0.5, 1, 2, 5, 10mA Compliance Voltage: 10V
Zero Adjust for Strain	Full automatic (via push button or set the condition menu)
Shunt calibration	Two internal shunt resistors 59.88kohm and 175kohm
Filter	Low pass filter, Anti-aliasing filter
TEDS	IEEE1451.4 Class2 (temperate No.33)
External dimensions (W x D x H)	49 x 136 x 160mm (Excluding Protection)

GL7-CHA “Charge Module”: Module will be released in April.

- Able to use variety of sensors and support voltage input. Simple connection by TEDS

functions. Support variety filters and adjustment functions.

■ GL7000 Specification of Charge Amplifier	
Model number	GL7-CHA
Number of input channels	4chnnels/1unit
Input connector	BNC connector, Miniature connector (#10-32UNF)
Input method	All channels isolated unbalanced input, Simultaneous sampling
Sampling Speed	100k samples/s (Maximum)
Input type and coupling	Input type: Acceleration sensor(Charge/Voltage), DC Voltage Input coupling: AC, DC, AC-RMS, DC-RMS
Measurement range	Charge input: 1-50000m/s^2 AC, DC input: 50-500mV, 1-10V AC-RMS, DC-RMS: 20-500mVrms, 1-5Vrms Crest factor: <=2Vrms (C.F4), 5Vrms (C.F2)
Charge input Voltage input	Charge input: 0.01pC-999.9pC/(m/s^2) Voltage input: 0.01mV-999.9mV/(m/s^2)
A/D Converter	Successive Approximation type, 16bits Effective Resolution: 1/40000 of measuring full range
Supplied power	Current: 4, 8mA +-20% Compliance Voltage: 22V+-10%
Maximum charge input	50000pC Maximum
Filter	Low pass filter, Anti-aliasing filter
TEDS	IEEE1451.4 Class1 (temperate No.25)
Calculation function	Integrated calculation : Velocity, Displacement
External dimensions (W x D x H)	49 x 136 x 160mm (Excluding Protection)