



Index

Model Name	Page
Portable Data Logger GTDL-H20	2
4Chs dynamic & static data logger	3
4Chs touch type dynamic & static data logger	4
8Chs dynamic & static data logger	5
8Chs touch type dynamic & static data logger	6
16Chs dynamic & static data logger	7
32Chs dynamic data logger	8
32Chs touch type dynamic & static data logger	9
56Chs touch type dynamic & static data logger	10
64Chs dynamic & static data logger	11
Strain amplifier	12
Temperature or Humidity Data Logger	13
Layout	14

This data logger is portable and handy type strain measurement system that can measure 4 strain gauge bridge sensors, 1 gauge and 2 gauge. And 3.2" TFT touch screen, 4GB save memory, Lithium ion battery, USB charging and communication are built-in for multi function.

Feature

- * 1 channels static & dynamic data logger.
- * Multi functions with touch screen and built-in data memory
- * Built-in 120 Ω , 350 Ω bridge circuit
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gauge 3wire type, 2gauge, 4gauge bridge can be connected.
- * Use both Tajimi and 5p Screw connector



Specification

Model	GTDL-H20
Display	3.2 inch TFT touch LCD
Internal battery	Lithium-ion 3.7V, 18000mAh
Input sensor	- 1gauge & 2gauge : 120 Ω , 350 Ω - 4gauge bridge sensor : 0.5mV/V - 10mV/V - Potentiometer Sensor - Pt100 RTD
Internal data memory	4G Byte data memory
Strain input range	$\pm 30,000$ [uStrain]
A/D conversion	24 bit
A/D conversion speed	50 times/sec
Data save	4,000 point save
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	98(W) * 200(H) * 32(D) mm

This data logger is 4 channels dynamic & static strain measurement equipment which can monitor result and record data with PC and SD memory card. Strain measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and can be potentiometer and so forth, can be measured. The data can be transmitted to PC easy through the front side USB port.

Feature

- * 4 channels static & dynamic data logger.
- * Multi functions with touch screen and built-in data memory
- * Built-in 120Ω, 350Ω bridge circuit
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Use both Tajimi and 5p Screw connector
- * Small size, light weight and USB interface



Specification

Model	GTDL-150
Number of channel	4 Channels
Measure frequency	1,000Hz
Display & Data memory	4G SD DATA memory, USB memory stick port (EXT)
Input sensors	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1KHz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	140(W) * 190(D) * 270(H) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is 4 channels dynamic & static strain measurement equipment which connect with PC, and display graph and record data. This data logger can measure static test without PC because has built-in SD memory and touch screen. Strain can be measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and potentiometer and so forth, can be measured also. The data can be transmitted to PC easy through the front side USB port.

Feature

- * 4 channels static & dynamic data logger.
- * Multi functions with touch screen and built-in data memory
- * Built-in 120Ω, 350Ω bridge circuit
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Use both Tajimi and 5p Screw connector
- * Small size, light weight and USB interface



Specification

Model	GTDL-152
Number of channel	4 Channels
Measure frequency	1,000Hz
Display & Data memory	5.6" TFT touch LCD 4G SD DATA memory, USB memory stick port (EXT)
Input sensors	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	140(W) * 190(D) * 270(H) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is 8 channels dynamic & static strain measurement equipment which connect with PC and display graph and record data. Strain can be measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and potentiometer and so forth, can be measured. The data can be transmitted to PC easy through the front side USB port.

Feature

- * 8 channels static & dynamic data logger.
- * Built-in 120Ω, 350Ω bridge circuit
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Use both Tajimi and 5p Screw connector
- * Small size, light weight and USB interface



Specification

Model	GTDL-160
Number of channel	8 Channels
Measure frequency	1,000Hz
Input sensors	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	435(W) * 300(D) * 132(H) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is 8 channels dynamic & static strain measurement equipment which connect with PC, and display graph and record data. This data logger can measure static test without PC because has built-in SD memory and touch screen. Strain can be measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and potentiometer and so forth, can be measured also. The data can be transmitted to PC easy through the front side USB port.

Feature

- * 8 channels static & dynamic data logger.
- * Built-in 120Ω, 350Ω bridge circuit
- * Remove noise by low pass filter.
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Use both Tajimi and 5p Screw connector
- * Small size, light weight and USB interface



Specification

Model	GTDL-162
Number of channel	8 Channels
Measure frequency	1000Hz
Display & data memory	7" Touch screen 16G SD Data Memory , USB Memory Stick Port (EXT)
Input sensors	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 Thermocouple - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1KHz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	435(W) * 300(D) * 132(H) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is 16 channels dynamic & static strain measurement equipment which can monitor result and record data with PC and SD memory card. Strain measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and can be potentiometer and so forth, can be measured. The data can be transmitted to PC easy through the front side USB port.

Feature

- * Max. 16 channels static & dynamic data logger.
- * Real-time measurement by USB port
- * 4channels per slot type
- * 1kHz frequency measurement by each channel
- * Built-in 120Ω, 350Ω bridge circuit
- * Remove noise by low pass filter.
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Selectable both Tajimi or 5p Screw connector



Specification

Model	GTDL-350
Number of channel	Max. 16 Channels (4, 8, 12)
Measure frequency	1,000Hz
Connector for sensor	Selectable 5p screw connector or Tajimi
Input sensor	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD, Thermocouple (J, K, T, E, R, S) - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	260(W) * 190(H) * 270(D) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is Max. 32 channels dynamic & static strain measurement equipment which can monitor result and record data with PC and SD memory card. Strain measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and can be potentiometer and so forth, can be measured. The data can be transmitted to PC easy through the front side USB port.

Feature

- * Max. 32 channels static & dynamic data logger.
- * Real-time measurement by USB port
- * 4channels per slot type
- * 1kHz frequency measurement by each channel
- * Built-in 120Ω, 350Ω bridge circuit
- * Remove noise by low pass filter.
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Selectable both Tajimi or 5p Screw connector



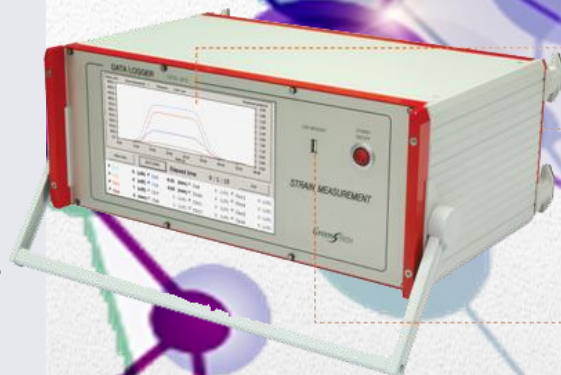
Specification

Model	GTDL-360
Number of channel	Max. 32Channels (4, 8, 12,16,20,24,28)
Measure frequency	1,000Hz
Connector for sensor	Selectable 5p screw connector or Tajimi
Input sensor	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD, Thermocouple (J, K, T, E, R, S) - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	470(W) * 190(H) * 320(D) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is Max.32 channels dynamic & static strain measurement equipment which connect with PC, and display graph and record data. This data logger can measure static test without PC because has built-in SD memory and touch screen. Strain can be measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and potentiometer and so forth, can be measured also. The data can be transmitted to PC easy through the front side USB port.

Feature

- * 32 channels static & dynamic data logger.
- * 10" large touch screen and built-in 16G SD memory
- * 4 chs per slot type
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Selectable both Tajimi or 5p Screw connector
- * Small size, light weight and USB interface



Specification

Model	GTDL-610
Number of channel	Max. 32Channels (4, 8, 12,16,20,24,28)
Measure frequency	1,000Hz
Display & Data memory	10.2" TFT touch LCD 4G SD DATA memory, USB memory stick port (EXT)
Input sensors	- 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD - Voltage output type sensor ±10V
Strain input range	- Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	450(W) * 180(H) * 310(D) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is Max.56 channels dynamic & static strain measurement equipment which connect with PC, and display graph and record data. This data logger can measure static test without PC because has built-in SD memory and touch screen. Strain can be measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and potentiometer and so forth, can be measured also. The data can be transmitted to PC easy through the front side USB port.

Feature

- * Static & dynamic multi functions data logger for site
- * Easy movement and strong and waterproof case
- * 8 chs per slot type
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Selectable both Tajimi or 5p Screw connector
- * Selectable 12V power



Specification

Model	GTDL-600
Number of channel	Max. 56Channels (8, 16, 24, 32, 40, 48)
Measure frequency	1,000Hz
Connector for sensor	Selectable Tajimi or 5p Screw connector
Display & Data memory	7" TFT touch LCD 16G SD DATA memory, USB memory stick port (EXT)
Input sensors	- 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD - Voltage output type sensor ±10V
Strain input range	- Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	500(W) * 380(D) * 190(H) mm
Power	Free voltage AC85~264V , 50~60Hz

This data logger is Max.56 channels dynamic & static strain measurement equipment which connect with PC and display graph and record data. Strain can be measured after strain gage is wired, and strain gauge type sensors as like load cell, pressure sensor, torque sensor, LVDT and potentiometer and so forth, can be measured also. The data can be transmitted to PC easy through the front side USB port.

Feature

- * Static & dynamic multi functions data logger for site
- * Easy movement and strong and waterproof case
- * 8 chs per slot type
- * Remove noise by low pass filter.
- * Auto zero by auto zero button
- * 1gage 3wire type, 2gage, 4gage bridge can be connected.
- * Selectable both Tajimi or 5p Screw connector
- * Selectable 12V power



Specification

Model	GTDL-620
Number of channel	Max. 64Channels (8, 16, 24, 32, 40, 48, 56)
Measure frequency	1,000Hz
Connector for sensor	Selectable Tajimi or 5p Screw connector
Input sensors	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : 0.5mV/V - 100mV/V - Potentiometer type sensor - Pt100 RTD - Voltage output type sensor ±10V
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : ±10,000 [uStrain] - Gain 100 : ±100,000 [uStrain] - Gain 10 : ±1,000,000 [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1Khz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
Interface	USB
Program	Multiscan S/W & Multiload S/W
Dimension	500(W) * 380(D) * 190(H) mm
Power	Free voltage AC85~264V , 50~60Hz

This amplifier has strain measurement and analog output function and more various functions and easy operation by built-in 5.6" TFT screen. Various signals from sensors are inputted and carry out an operation and indicate them to LCD screen and output analog signal $\pm 10V$.

Feature

- * Real data value and out voltage can be checked.
- * Kind of sensor, sensor spec, decimal points can be settled by touch screen.
- * No need bridge box by Built-in 120Ω , 350Ω bridge circuit.
- * 19" rack (3U) can be installed.
- * D/A offset and D/A span can be settled
- * Kind of sensor, EXT voltage, amplification rate and filter frequency can be selectable by each channel.
- * 2channels per slot type
- * Use both circular type connector or 5p Screw connector



Specification

Model	GTSA-16
Number of channel	Max. 16 Channels (2, 4, 6, 8, 10, 12, 14)
Display	5.6" TFT touch LCD
Measure frequency	10kHz
Measure frequency	10kHz
Input sensor	<ul style="list-style-type: none"> - 1Gage & 2gage : 120Ω , 350Ω - 4 Gage bridge sensor : $0.5mV/V$ - $100mV/V$ - Potentiometer type sensor - Voltage output type sensor $\pm 10V$
Strain input range	<ul style="list-style-type: none"> - Gain 1000 : $\pm 10,000$ [uStrain] - Gain 100 : $\pm 100,000$ [uStrain] - Gain 10 : $\pm 1,000,000$ [uStrain]
Low Pass Filter	Selectable 10Hz, 100Hz, 1KHz by program
EXC Voltage	Selectable 2Volt , 5Volt , 10Volt by Program
A/D conversion	16bit 10,000 times/sec
D/A conversion	16bit 10,000 times/sec
Dimension	450(W) * 132(H) * 280(D) mm, 19" rack 3U size
Power	Free voltage AC85~264V , 50~60Hz

This data logger is temperature or humidity measurement system that can measure temperature or humidity without P.C through 3.2" TFT touch screen, 4GB memory, USB port. And this data logger include blue tooth system and can operate wireless data measurement.



Blue
tooth

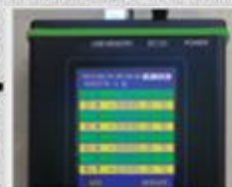


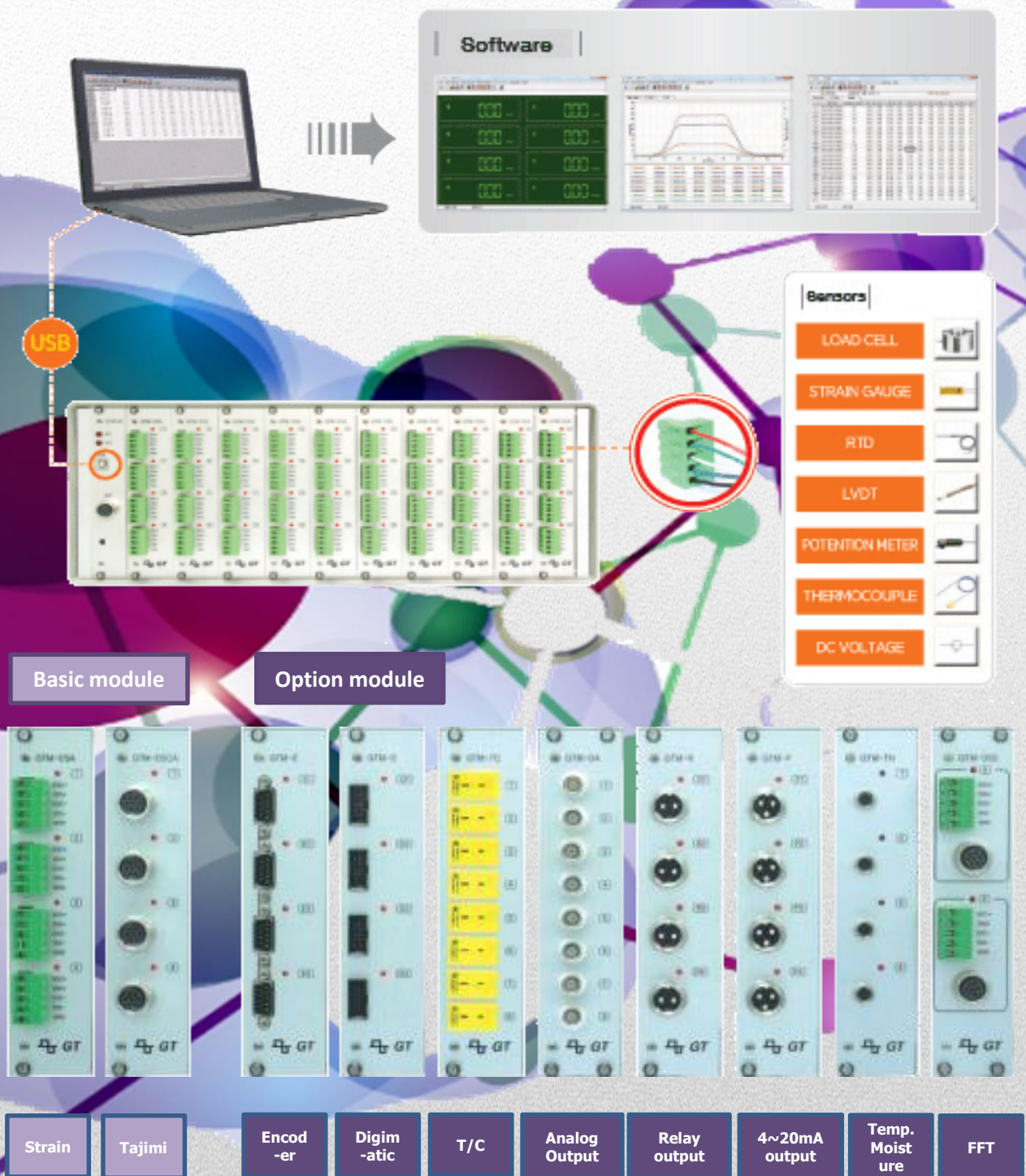
Feature

- * GTDL-TC20 : Thermocouple
- * GTDL-TH20 : Humidity
- * Read data by excel through USB memory stick
- * Save data by absolute time interval
- * Settable each sensor offset and CJC offset
- * Wireless measurement by blue tooth
- * Independent operation and P.C by USB cable
- * settable alarm and database interlock, etc.

Specification

Model	GTDL-TC20	GTDL-TH20
Input Sensor	Thermocouple J,K,T,E,R,S	Humidity sensor
Number of channel	8 channels	4 cannels
Display	3.2" TFT Touch LCD	
Internal data memory	4GB Data Memory	
Data save interval	2sec, 5sec, 10sec, 30sec, 1min, 5min., 10min, 30min	
Interface	Bule tooth	USB
Power	DC12V	USB
Dimension	110(W) * 170(D) * 35(H)mm	
Program	Multiscan S/W & Multiload S/W	





Channel extension by
extension port

Channel extension by
USB port

Wiring

1 GAGE 3WIRE 	2 GAGE 	4 GAGE(STRAN) 																		
4 GAGE(SENSOR) <table border="1"> <tr><td>Loadcell</td><td>EXC+</td><td>A</td></tr> <tr><td></td><td>SIG+</td><td>B</td></tr> <tr><td>Lvdt</td><td>EXC-</td><td>C</td></tr> <tr><td></td><td>SIG-</td><td>D</td></tr> <tr><td>Pressure</td><td></td><td>E</td></tr> <tr><td>Acce.meter</td><td>SHD.</td><td></td></tr> </table>	Loadcell	EXC+	A		SIG+	B	Lvdt	EXC-	C		SIG-	D	Pressure		E	Acce.meter	SHD.		POTENTION METER 	DC VOLT
Loadcell	EXC+	A																		
	SIG+	B																		
Lvdt	EXC-	C																		
	SIG-	D																		
Pressure		E																		
Acce.meter	SHD.																			
Pt 100 RTD 	4~20mA Output Sensor 	Thermocouple 																		



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