

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 $\pm 10V$.

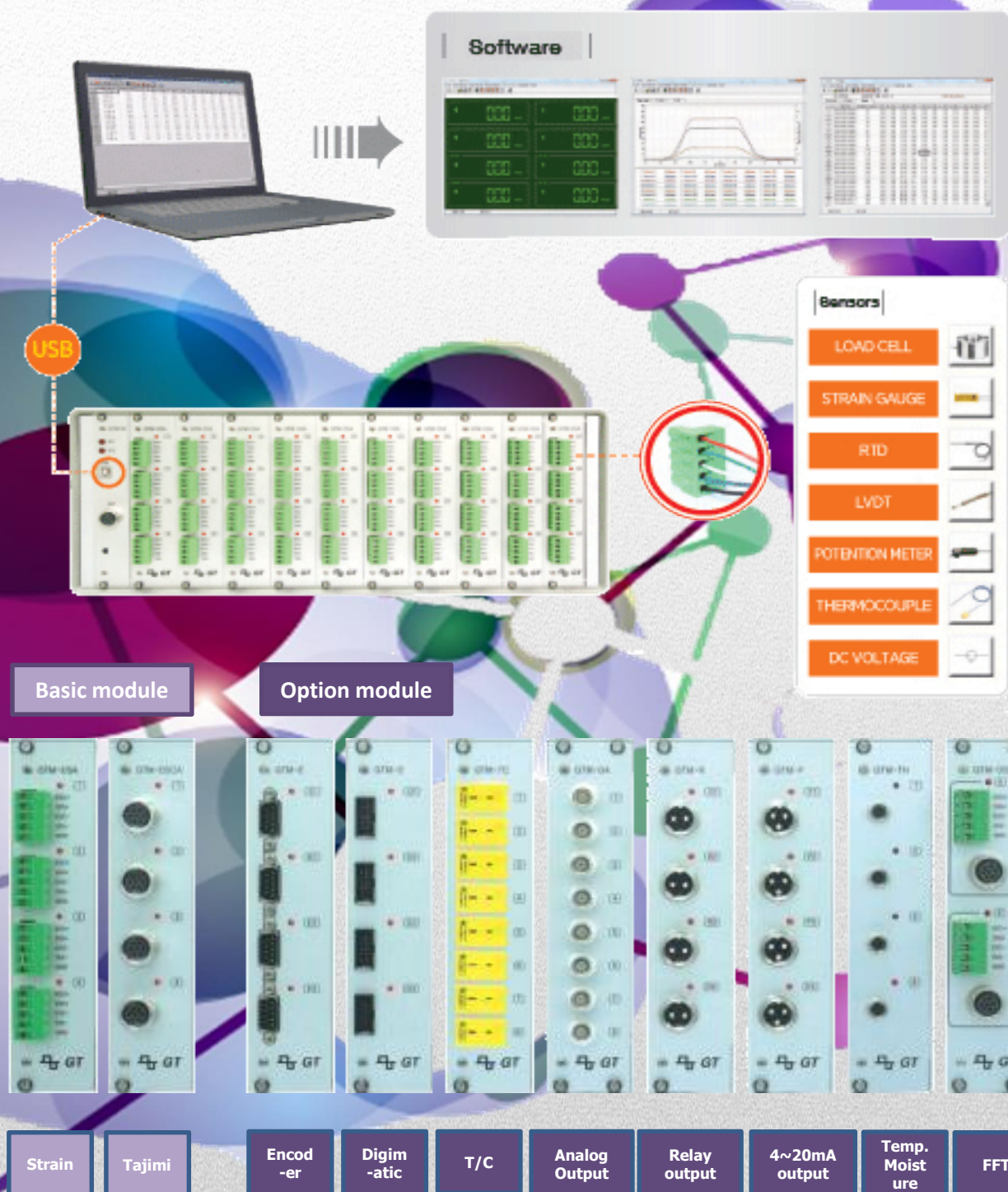
Feature

- * 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



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 																		