

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.

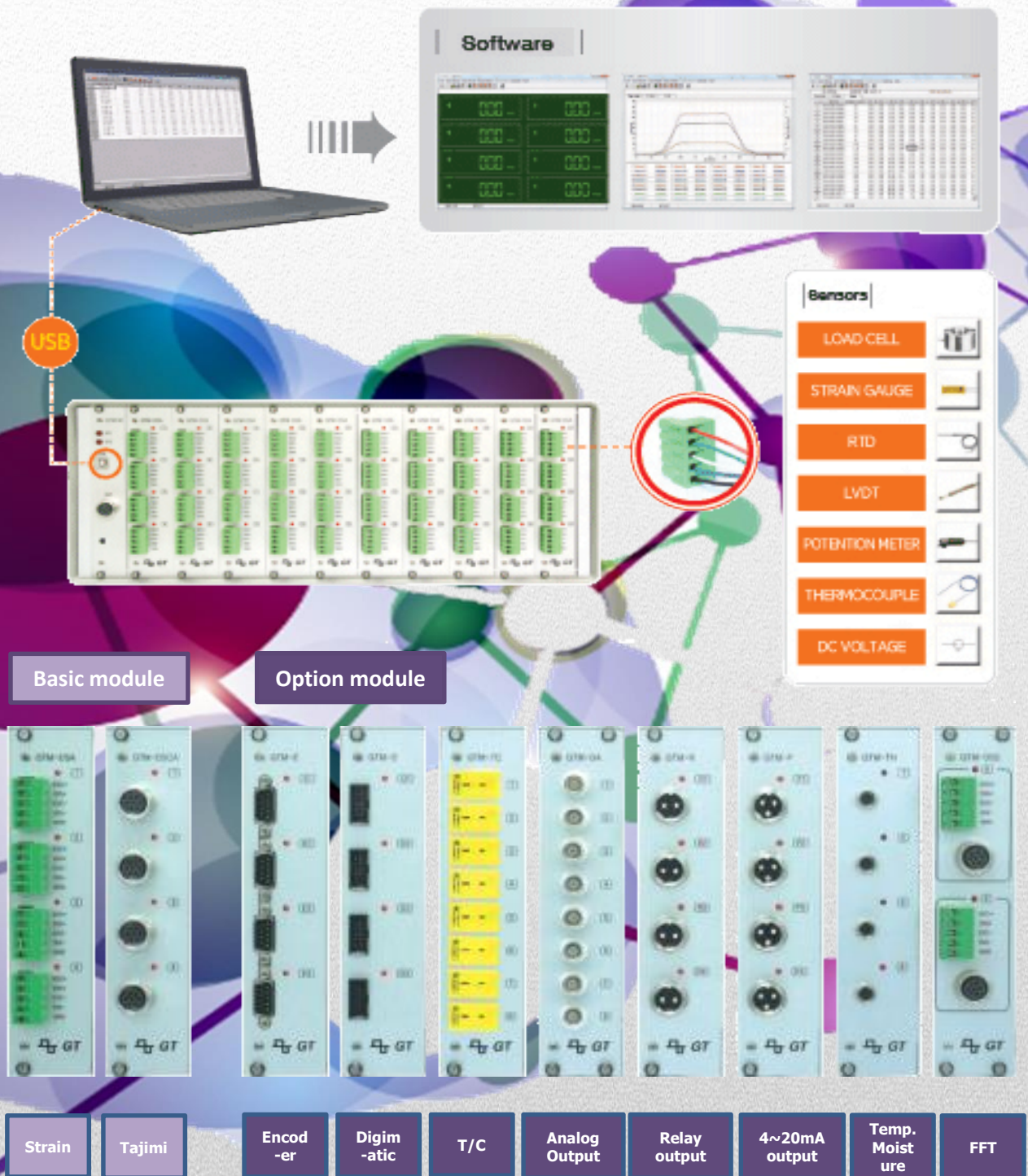
Feature

- * 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 |



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 | | | | | | | | | | | | | | | | | | |