

Description

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.

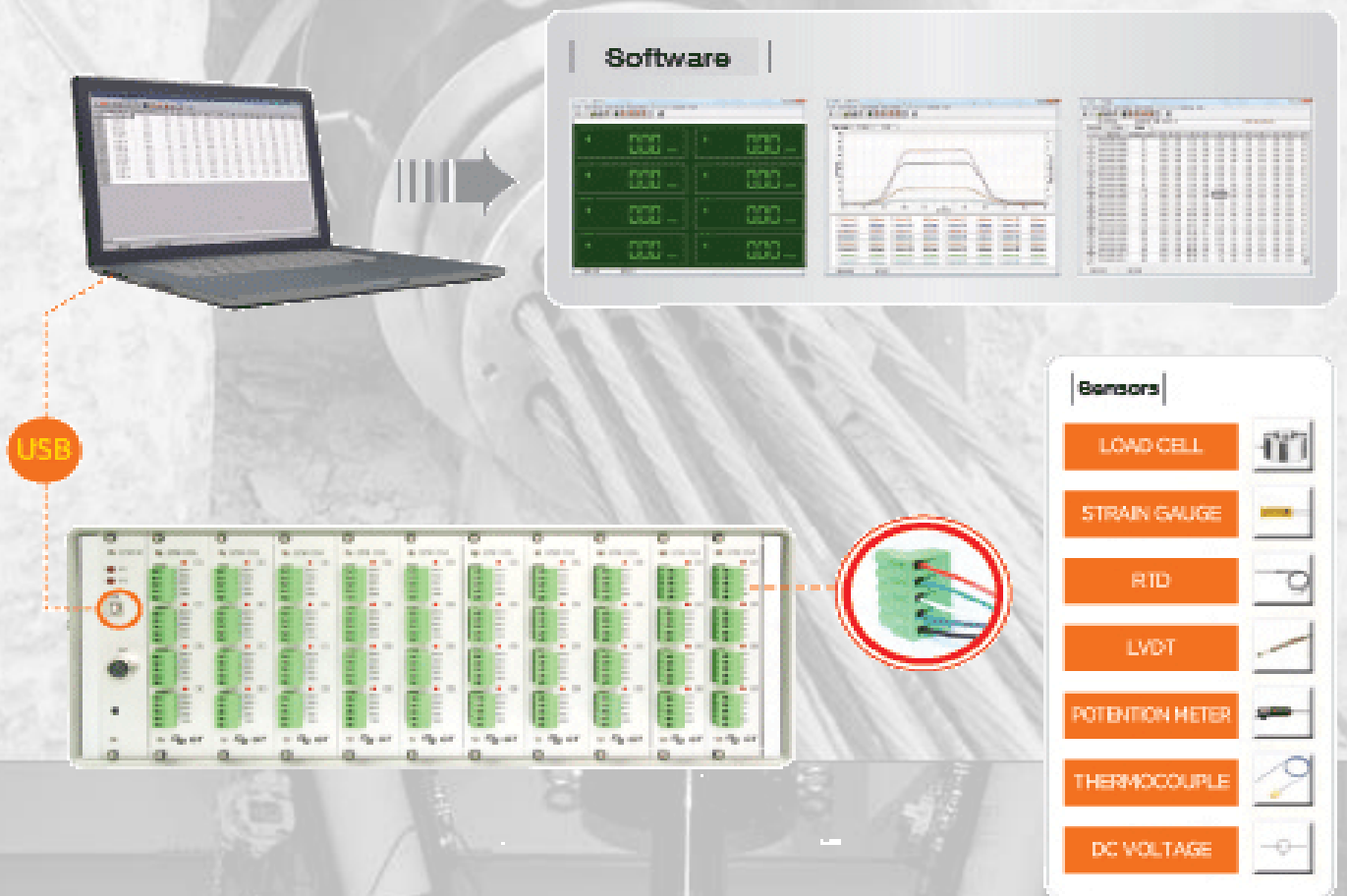
Feature

- * 4 channels static & dynamic data logger.
- * 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	- 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	140(W) * 190(D) * 270(H) mm
Power	Free voltage AC85~264V , 50~60Hz



Strain

Tajimi

Encod
-er

Digim-
atic

T/C

Analog
Output

Relay
output

4~20mA
output

Temp.
Moist
ure

FFT

Channel extension by extension port

Channel extension by USB port

Wiring

<p>1 GAGE 3WIRE</p>	<p>2 GAGE</p>	<p>4 GAGE(STRAIN)</p>															
<p>4 GAGE(SENSOR)</p> <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>Pressure</td> <td>SIG-</td> <td>D</td> </tr> <tr> <td>Acce.meter</td> <td>SHD.</td> <td>E</td> </tr> </table>	Loadcell	EXC+	A		SIG+	B	Lvdt	EXC-	C	Pressure	SIG-	D	Acce.meter	SHD.	E	<p>POTENTION METER</p>	<p>DC VOLT</p>
Loadcell	EXC+	A															
	SIG+	B															
Lvdt	EXC-	C															
Pressure	SIG-	D															
Acce.meter	SHD.	E															
<p>Pt 100 RTD</p>	<p>4~20mA Output Sensor</p> <p>DC 24V POWER SUPPLY</p>	<p>Thermocouple</p> <p>J,K,T,E,R,S TYPE</p>															