

GRAPHTEC 10 CHANNELS 4.3" COLOR DISPLAY DATA LOGGER

Temperature Measurement

Data Logger with 4.3 inch color display, 10 isolated analog channels, 4 digital channels, 4 alarm outputs, 4GB internal memory, SDHC card slot (max 32GB), USB PC interface. Includes APS software, start-up manual, AC power supply.

Features :

- Wireless LAN capability | remote monitoring & datalogging
- Flexible input system for wide array of applications
- Ability to access additional (GL100) sensors & adapters
- Extended memory capacity using SD memory card
- Max sampling interval up to 10ms
- Smartphone access



Technical Specifications :

Model Number	NL 7099 X / 003																																		
Alternate Code	GL260																																		
Input Method	All channels isolated, balanced input, Scans channels for sampling																																		
Type of Input Terminal	Screw terminal (M3 screw)																																		
Measurement Range	Voltage : 20mV - 100V, 1-5V F.S. (Full Scale) Thermocouple Type : Thermocouple: K, J, E, T, R, S, B, N, C and (the old W: WRe5-26) Humidity : Humidity: 0 - 100% (option B-530 is required)																																		
Filter	Off, 2, 5, 10, 20, 40 (moving average in selected number)																																		
Measurement Accuracy	Voltage : $\pm 0.1\%$ of F.S. (Full Scale) Temperature (Thermocouple) : <table><thead><tr><th>Type</th><th>Measurement Range</th><th>Accuracy</th></tr></thead><tbody><tr><td>R</td><td>0 $\leq$ TS $\leq$ 100 $^{\circ}$C 100 < TS $\leq$ 300 $^{\circ}$C 300 < TS $\leq$ 1600 $^{\circ}$C</td><td>± 5.2 $^{\circ}$C ± 3.0 $^{\circ}$C $\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$C)</td></tr><tr><td>S</td><td>0 $\leq$ TS $\leq$ 100 $^{\circ}$C 100 < TS $\leq$ 300 $^{\circ}$C 300 < TS $\leq$ 1760 $^{\circ}$C</td><td>± 5.2 $^{\circ}$C ± 3.0 $^{\circ}$C $\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$C)</td></tr><tr><td>B</td><td>400 $\leq$ TS $\leq$ 600 $^{\circ}$C 600 < TS $\leq$ 1820 $^{\circ}$C</td><td>± 3.5 $^{\circ}$C $\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$C)</td></tr><tr><td>K</td><td>-200 $\leq$ TS $\leq$ -100 $^{\circ}$C -100 < TS $\leq$ 1370 $^{\circ}$C</td><td>$\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$C) $\pm (0.05\%$ of rdg. + 1.0 $^{\circ}$C)</td></tr><tr><td>E</td><td>-200 $\leq$ TS $\leq$ -100 $^{\circ}$C -100 < TS $\leq$ 800 $^{\circ}$C</td><td>$\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$C) $\pm (0.05\%$ of rdg. + 1.0 $^{\circ}$C)</td></tr><tr><td>T</td><td>-200 $\leq$ TS $\leq$ -100 $^{\circ}$C -100 < TS $\leq$ 400 $^{\circ}$C</td><td>$\pm (0.1\%$ of rdg. + 1.5 $^{\circ}$C) $\pm (0.1\%$ of rdg. + 0.5 $^{\circ}$C)</td></tr><tr><td>J</td><td>-200 $\leq$ TS $\leq$ -100 $^{\circ}$C -100 < TS $\leq$ 100 $^{\circ}$C 100 < TS $\leq$ 1100 $^{\circ}$C</td><td>± 2.7 $^{\circ}$C ± 1.7 $^{\circ}$C $\pm (0.05\%$ of rdg. + 1.0 $^{\circ}$C)</td></tr><tr><td>N</td><td>-200 $\leq$ TS < 0 $^{\circ}$C 0 $\leq$ TS $\leq$ 1300 $^{\circ}$C</td><td>$\pm (0.1\%$ of rdg. + 2.0 $^{\circ}$C) $\pm (0.1\%$ of rdg. + 1.0 $^{\circ}$C)</td></tr><tr><td>W</td><td>0 $\leq$ TS $\leq$ 2000 $^{\circ}$C</td><td>$\pm (0.1\%$ of rdg. + 1.5 $^{\circ}$C)</td></tr><tr><td>R.J.C.</td><td></td><td>± 0.5 $^{\circ}$C</td></tr></tbody></table>		Type	Measurement Range	Accuracy	R	0 $\leq$ TS $\leq$ 100 $^{\circ}$ C 100 < TS $\leq$ 300 $^{\circ}$ C 300 < TS $\leq$ 1600 $^{\circ}$ C	± 5.2 $^{\circ}$ C ± 3.0 $^{\circ}$ C $\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$ C)	S	0 $\leq$ TS $\leq$ 100 $^{\circ}$ C 100 < TS $\leq$ 300 $^{\circ}$ C 300 < TS $\leq$ 1760 $^{\circ}$ C	± 5.2 $^{\circ}$ C ± 3.0 $^{\circ}$ C $\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$ C)	B	400 $\leq$ TS $\leq$ 600 $^{\circ}$ C 600 < TS $\leq$ 1820 $^{\circ}$ C	± 3.5 $^{\circ}$ C $\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$ C)	K	-200 $\leq$ TS $\leq$ -100 $^{\circ}$ C -100 < TS $\leq$ 1370 $^{\circ}$ C	$\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$ C) $\pm (0.05\%$ of rdg. + 1.0 $^{\circ}$ C)	E	-200 $\leq$ TS $\leq$ -100 $^{\circ}$ C -100 < TS $\leq$ 800 $^{\circ}$ C	$\pm (0.05\%$ of rdg. + 2.0 $^{\circ}$ C) $\pm (0.05\%$ of rdg. + 1.0 $^{\circ}$ C)	T	-200 $\leq$ TS $\leq$ -100 $^{\circ}$ C -100 < TS $\leq$ 400 $^{\circ}$ C	$\pm (0.1\%$ of rdg. + 1.5 $^{\circ}$ C) $\pm (0.1\%$ of rdg. + 0.5 $^{\circ}$ C)	J	-200 $\leq$ TS $\leq$ -100 $^{\circ}$ C -100 < TS $\leq$ 100 $^{\circ}$ C 100 < TS $\leq$ 1100 $^{\circ}$ C	± 2.7 $^{\circ}$ C ± 1.7 $^{\circ}$ C $\pm (0.05\%$ of rdg. + 1.0 $^{\circ}$ C)	N	-200 $\leq$ TS < 0 $^{\circ}$ C 0 $\leq$ TS $\leq$ 1300 $^{\circ}$ C	$\pm (0.1\%$ of rdg. + 2.0 $^{\circ}$ C) $\pm (0.1\%$ of rdg. + 1.0 $^{\circ}$ C)	W	0 $\leq$ TS $\leq$ 2000 $^{\circ}$ C	$\pm (0.1\%$ of rdg. + 1.5 $^{\circ}$ C)	R.J.C.		± 0.5 $^{\circ}$ C
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A/D converter	Sigma-Delta type, 16 bits (effective resolution: 1/40000 of the measuring full range)																																		
Maximum Input Voltage	Between (+) / (-) terminal : 20mV - 1V range: 60V p-p 2V - 100V range: 110V p-p Channels ((-) / (-)) : 60 Vp-p Channel / GND : 60 Vp-p																																		
Max. Voltage (withstand)	Between channels : 350 Vp-p (1 minute) Channel / GND : 350 Vp-p (1 minute)																																		



- 10 analog input channels
- Programmable per channel
- ± 20 mV to ± 100 V over 12 ranges
- Supports direct-connected thermocouples of any type
- Full isolation per channel
- 4 discrete input channels
- 4 discrete alarm outputs
- Programmable as a group as logic or pulse inputs
- Pulse inputs support counter or frequency inputs
- Optional WiFi wireless operation with optional B-568 module
- Communicate with up to (1) GL100 unit with B-568 Wifi module
- Flexible triggering
- Built-in, 4.3-inch color display
- Built-in Web server operation for remote operations
- Operates either stand-alone or PC-connected.



Unit Consists Of :

Model Number	Parts Description	Qty
NL 7099 X / 001	4 in 1 Plug & Play Type-K	10 set
- P001	Thermocouple Sensors	
NL 7099 X / 001	Carry Case	1no.
- P002		