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 / 002
Alternate Code	GL240
Input Method	All channels isolated balanced input, Scans channels for sampling
Type of Input Terminal	Screw terminal (M3 screw)
Measurement Range	**Voltage** : 20, 50, 100, 200, 500 mV, 1, 2, 5, 10, 20, 50, 100 V & 1-5V F.S. (Full Scale) **Thermocouple Type** : K, J, E, T, R, S, B, N, and W (WRe5-26) **Humidity** : 0 to 100 % RH - using the humidity sensor (option B-530)
Filter	Off, 2, 5, 10, 20, 40 (moving average in selected number)
Measurement Accuracy	**Voltage** : ± 0.1% of F.S. (Full Scale) **Temperature (Thermocouple)** :
A/D converter	Sigma-Delta type, 16 bits (effective resolution: 1/40000 of the measuring full range)
Maximum Input Voltage	**Between (+) / (-) terminal** : - 20 mV to 1 V range: 60 Vp-p, - 2 V to 100 V range: 110 Vp-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)

Type	Measurement Range	Accuracy
R	0 ≤ TS ≤ 100 °C	± 5.2 °C
	100 < TS ≤ 300 °C	± 3.0 °C
	300 < TS ≤ 1600 °C	± (0.05% of rdg. + 2.0 °C)
S	0 ≤ TS ≤ 100 °C	± 5.2 °C
	100 < TS ≤ 300 °C	± 3.0 °C
	300 < TS ≤ 1760 °C	± (0.05% of rdg. + 2.0 °C)
B	400 ≤ TS ≤ 600 °C	± 3.5 °C
	600 < TS ≤ 1820 °C	± (0.05% of rdg. + 2.0 °C)
K	-200 ≤ TS ≤ -100 °C	± (0.05% of rdg. + 2.0 °C)
	-100 < TS ≤ 1370 °C	± (0.05% of rdg. + 1.0 °C)
E	-200 ≤ TS ≤ -100 °C	± (0.05% of rdg. + 2.0 °C)
	-100 < TS ≤ 800 °C	± (0.05% of rdg. + 1.0 °C)
T	-200 ≤ TS ≤ -100 °C	± (0.1% of rdg. + 1.5 °C)
	-100 < TS ≤ 400 °C	± (0.1% of rdg. + 0.5 °C)
J	-200 ≤ TS ≤ -100 °C	± 2.7 °C
	-100 < TS ≤ 100 °C	± 1.7 °C
	100 < TS ≤ 1100 °C	± (0.05% of rdg. + 1.0 °C)
N	-200 ≤ TS < 0 °C	± (0.1% of rdg. + 2.0 °C)
	0 ≤ TS ≤ 1300 °C	± (0.1% of rdg. + 1.0 °C)
W	0 ≤ TS ≤ 2000 °C	± (0.1% of rdg. + 1.5 °C)
R.J.C.		± 0.5 °C

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