

## Multi-input Thermometer/Datalogger

### Electrical Specifications: (23°C±5°C)

Type	☒		☒	
	Range	Accuracy	Range	Accuracy
<b>K</b>	-200 ~ -150	±3.0	-328 ~ -238	±5.4
	-150 ~ -100	±2.0	-238 ~ -148	±3.6
	-100 ~ 999.9	±0.1% ±1.0	-148 ~ 999.9	±0.1% ±1.8
	1000 ~ 1370	±0.2% ±1.0	1000 ~ 2498	±0.2% ±1.8
<b>J</b>	-200 ~ -100	±2.5	-328 ~ -148	±4.5
	-100 ~ 100	±1.5	-148 ~ 212	±2.7
	100 ~ 999.9	±0.1% ±1.0	212 ~ 999.9	±0.1% ±1.8
			1000 ~ 1832	±0.2% ±1
<b>E</b>	-150 ~ -100	±2.0	-238 ~ -148	±3.6
	-100 ~ 760	±0.1% ±1.0	-148 ~ 999.9	±0.1% ±1.8
			1000 ~ 1400	±0.2% ±1
<b>T</b>	-200 ~ -150	±3.0	-328 ~ -238	±5.4
	-150 ~ -100	±0.1% ±1.5	-238 ~ -148	±0.1%±2.7
	-100 ~ 400	±0.1% ±0.5	-148 ~ 752	±0.1% ±0.9
<b>R/S</b>	0 ~ 100	±5.0	32 ~ 212	±9.0
	100 ~ 300	±3.0	212 ~ 572	±5.4
	300 ~ 999.9	±0.1% ±2.0	572 ~ 999.9	±0.1% ±3.6
	1000 ~ 1600	±0.1% ±2.0	1000 ~ 2912	±0.1% ±3.6
<b>N</b>	0 ~ 999.9	±0.1% ±1.0	32 ~ 999.9	±0.1% ±1.8
	1000 ~ 1300	±0.2% ±1.0	1000 ~ 2372	±0.2% ±1.8
<b>L</b>	-200 ~ 900	±0.1% ±1.0	-328 ~ 999.9	±0.1 % ±1.8
			1000 ~ 1652	±0.2 % ±1
<b>U</b>	0 ~ 600	±0.1% ±1.0	32 ~ 999.9	±0.1% ±1.8
			1000 ~ 1112	±0.2% ±1
<b>B</b>	600 ~ 999.9	±0.1% ±2.0	1112 ~ 1831	±0.1% ±3.6
	1000 ~ 1760	±0.1% ±2.0	1832 ~ 3200	±0.1% ±3.6
<b>C</b>	0 ~ 999.9	±0.1% ±1.5	32 ~ 999.9	±0.1% ±2.7
	1000 ~ 1760	±0.2% ±1.5	1000 ~ 3200	±0.2% ±2.7
<b>mV</b>	-10 ~ 60	±0.06 mV	-10 ~ 60	±0.06 mV
<b>mV</b>	-50 ~ -10	±0.1 mV	-50 ~ -10	±0.1 mV

### General Specifications:

<b>LCD</b>	5.7" Color TFT LCD (320 x 240) with backlight
<b>Battery Type:</b>	Rechargeable Lithium Battery, 3400mAh (11.1V)
<b>AC Adaptor:</b>	DC Regulated 12V / 300mA output AC 110V or 220V Input
<b>Power Consumption:</b>	220mA (very bright backlight) 150mA (bright backlight) 120mA (dark backlight)
<b>Cold Junction Compensation Accuracy:</b>	$\pm 0.5$ / $\pm 0.9$
<b>Temperature Coefficient:</b>	0.01% of F.S. / °C
<b>Isolated Input Protection between any two inputs:</b>	350Vp-p
<b>Dimension:</b>	257(L) x 155(W) x 57(H) mm, 10.1" (L) x 6.1" (W) x 2.2" (H)
<b>Weight:</b>	1160g / 40.9oz (Batteries included)
<b>Operation Environment:</b>	0 ~ 50 , 85% RH
<b>Storage Environment:</b>	-20 ~ 60 , 75% RH
<b>Accessories:</b>	Lithium Battery (11.1V) x 1 USB cable x 1 SD card (2GB or larger) x 1 Carrying bag x 1 User manual x 1 Software CD x 1 Software manual x 1 K-type thermocouples (-50~200°C / -58 ~392°F $\pm 0.75\%$ ): 1-meter x 7pcs.; 3-meter x 1pc.
<b>Option:</b>	Thermal Printer – PROVA 310XP or 300XP SDHC card (8GB, Maximum) Mini connector for analog Input Optical RS-232 to USB bridge