BlueTherm One
STATUS

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Safety Systems

#3522
110321

Nano WIFI Link Specifications:

IT119218

Interface	LED and status warning lights, touch-sensitive button on/off, buzzer
Transmission Frequency with Nano Sensor	130mm (5.12")
Maximum radiated power	Radio:10 dBm (10 mW) / WiFi:+12 dBm
Useful range	Up to 40m (depending on building environment)
Option	Measurement visualization on tablet by Bluetooth Low Energy (BLE) communication
Power supply	<u>Power outlet:</u> AC adapter with regulated output voltage Input : 230 V CA – Output : 5 V CC - 1A 3m USB cable (supplied)
	<u>POE:</u> 3m Ethernet cable (supplied)
Power consumption	Average consumption : 0.5W (WiFi) / 0.85W (Ethernet) Peak consumption : 2W
Battery life	Full operation battery life: 6hrs in WiFi/4hrs in Ethernet Charge time: 125hrs Backup battery type NIMH / Capacity: 730 mAh
Dimensions and weight	3.07 x 3.07 x 2.48in. / 0.44lbs. (without adaptor)
Protection	IP20 – Indoor only
Operating conditions	32°F to 104°F – 0 to 90% RH
Compliance	CE, EN 301 489 / EN 300 220 / EN 61010 / EN 301 511
Supplied with	Power cable (depending on the device)

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Nano Sensor Specifications:

IT119217

Interface	Status LED lights and on/off touch sensitive button
Measurement range	-40°F to 185°F
Accuracy	±.72°F from -4°F to 104°F and ±.9°F out of this range
Communication frequency	2.4 GHz (802.15.4)
Memory	10,000 data points
Sensor	Internal PT100
Operating conditions	-40°F to 185°F
Resolution	0.01
Measuring and transmission period	1min.
Internal memory recording period	Adjustable from 1min. to 24 hrs.
Response time	~10min.
Protection	IP68
Case	Polycarbonate – Food contact
Power supply	Lithium 3.6v battery - Replacement
Battery life	2 to 4 years (depending on use)
Dimensions and weight	2.48 x 1.65 x .98in. / .13lbs.
Fixation	Fixing eyelets and integrated magnets
Supplied with	3 identification rings pack: blue, green and grey
Compliance	CE, ROHS, FCC, ETS 300-328, EN 12830
Standard calibration points	-.4°F/ 42.8°F/ 71.6°F
Part number	11567 EU (with battery) - 11567 EX (without battery)

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Nano Sensor w/ 30cm Cable Specifications:

IT119351

	Standard Version	Incubator Version
Interface	Status LED and on/off touch sensitve button	
Measurement range	-58°F to 221°F	
Accuracy	±0.54°F from -4°F to 86°F and ±0.9°F out of this range	±0.36°F from 86°F to 122°F and ±0.9°F out of this range
Communication frequency	2.4 GHz (802.15.4)	
Memory	10,000 data points	
Temperature sensor	External PT100 probe - Ø5x20mm	
Operating conditions	-22°F to 158°F	
Resolution	0.01	
Measuring and transmission period	1min.	
Internal memory recording period	Adjustable from 1min. to 24 hrs	
Response time	~2min. at 90% of the variation	
Protection	IP65	
Case	Polycarbonate – Food contact	
Dimensions and weight	2.48 x 1.65 x .98in. / .13lbs.	
Cable length	30cm, 3m or 8m	30cm or 3m
Power supply	3.6v Lithium battery - Replaceable	
Battery life	2 to 4 years (depending on use)	
Fixation	Fixing eyelets and integrated magnets	
Supplied with	Blue JRI identification ring	Yellow identification ring
Compliance	CE, ROHS, FCC, ETS 300-328, EN 12830	
Standard calibration points	-.4°F/ 42.8°F/ 71.6°F	96.8°F / 100.4°F / 113°F

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ThermoCouple w/ Type K Probe Specifications:

IT119509

Measurement range	-327.8°F to 701.6°F
Accuracy	±.72°F ± 1% within the measurement range
Communication	Bluetooth
Sensor	K thermocouple type probes interchangeable
Display	LCD screen
Resolution	0.01
Protection	IP 65
Weight	.36lbs.
Dimensions	2.59 x 4.29 x 1.33in. (HxWxD)
Battery & life	1*AA Battery - 3000 hrs
Compliances	FCC, CE 1935/2004 Food contact (EN 13485; UE 10/2011) RoHS & REACH
Accessories	Ref. 12500: Silicone protective case Ref. 12423: Quick-response quilting probe Ref. 12424: Hypodermic probe

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LoRa Temp Sensor Specifications:

IT119769

Interface	1 white LED, 1 push button
Measurement range	-30°C to +70°C
Accuracy	±0.5°C from 0°C to +25°C ±1°C from -20°C to 0°C ; +25°C to +70°C ±2°C from -30°C to -20°C
Memory	100 data points minimum
Communication frequency	868MHz, 915MHz 470 MHz
Radio range	Up to16 km open field range
Sensor	Internal Class A PT 100
Operating conditions	-30°C to +70°C / 0 to 100 % RH
Resolution	0.01
Transmission interval	Adjustable from 1 h to 24 hrs
Measuring interval	Adjustable from 30 mn to 24 hrs
Response time σ_{90}	~10 mn
Protection	IP65 condensation resistant
Case	Translucent white ABS - food contact
Dimensions and weight	65 x 65 x 28 mm / ~ 100 gr
Power supply and battery lifetime	Replaceable Lithium A-Type 3,6v battery Ø 14 mm : 5 years lifetime* Ø 17 mm : 8 years lifetime* (in option)
Fixing	Mounting bracket
Supplied with	Battery Ø 14 mm user manual on www.jri-corp.com
Compliance	CE, ROHS, FCC, EN 300 320, EN 13485 class 1
Associated metrology	Systematic factory calibration

*for a transmission time of 6 hours in SF8.

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LoRa Ethernet Gateway Specifications:

IT119768

Cellular Frequency Band (4G model)	4G / 3G	
LoRa Radio Frequency	902 - 928 MHz	863 - 870 MHz
Packet Data	100 Mbps peak downlink / 50 Mbps peak uplink	
Input Power	100-240 VAC 50/60 Hz 0.4A External adaptor to 5 VDC 2.5A input	
Integral Antenna Systems	Cellular (diversity) and LoRa	
Connectors	Ethernet : RJ-45 Ethernet 10/100 port SIM : 3FF Micro SIM	
Dimensions & weight	165x133x32 mm - 1,36 kg	
Operating conditions	-10° C to +60° C / 20% to 90% RH non-condensing	
Radio Compliance	FCC Part 22,24,27 EN62311, EN301 511, EN301 908-1-2, EN301 908-1-13, EN300-220	
Part nr.	12708 : Ethernet 12709 : 4G	12706 : Ethernet 12707 : 4G

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