Cloud Based Real Time Temperature & Humidity Monitoring

Alerts can be sent to:

* Email
* Text to a cell-phone
* Alert Tower
* Building Management System
* External Monitoring Company
* Other options available

Assurance in product preservation - Saving you money

Features:

* Security of access – user name and password required
* User levels of access according level of authority
* Reports can be automatically emailed according to schedule, or customized
* Robust Hardware
* Hardware options

Wireless Radio Communication protocol:

LoRa WAN AS/NZ 923

920 – 928MHz frequency
Low power consumption
Long Range (LoRa)
Used worldwide in monitoring systems

Utilizes Temprecord G4 Display TAD logger
(calibrated to ISO 17025 standard)

Temprecord Active Display Cloud Summary Report

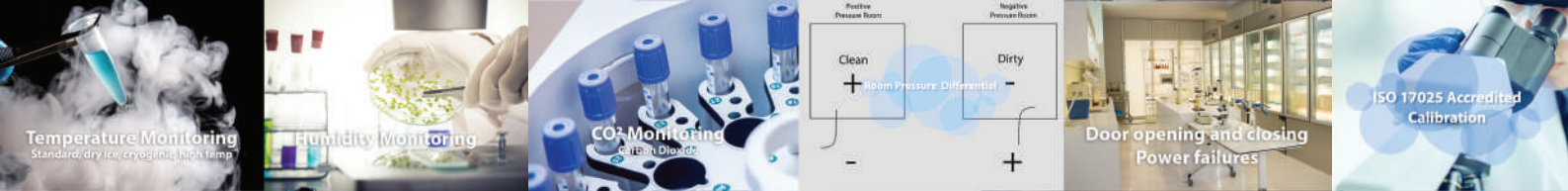**Summary**

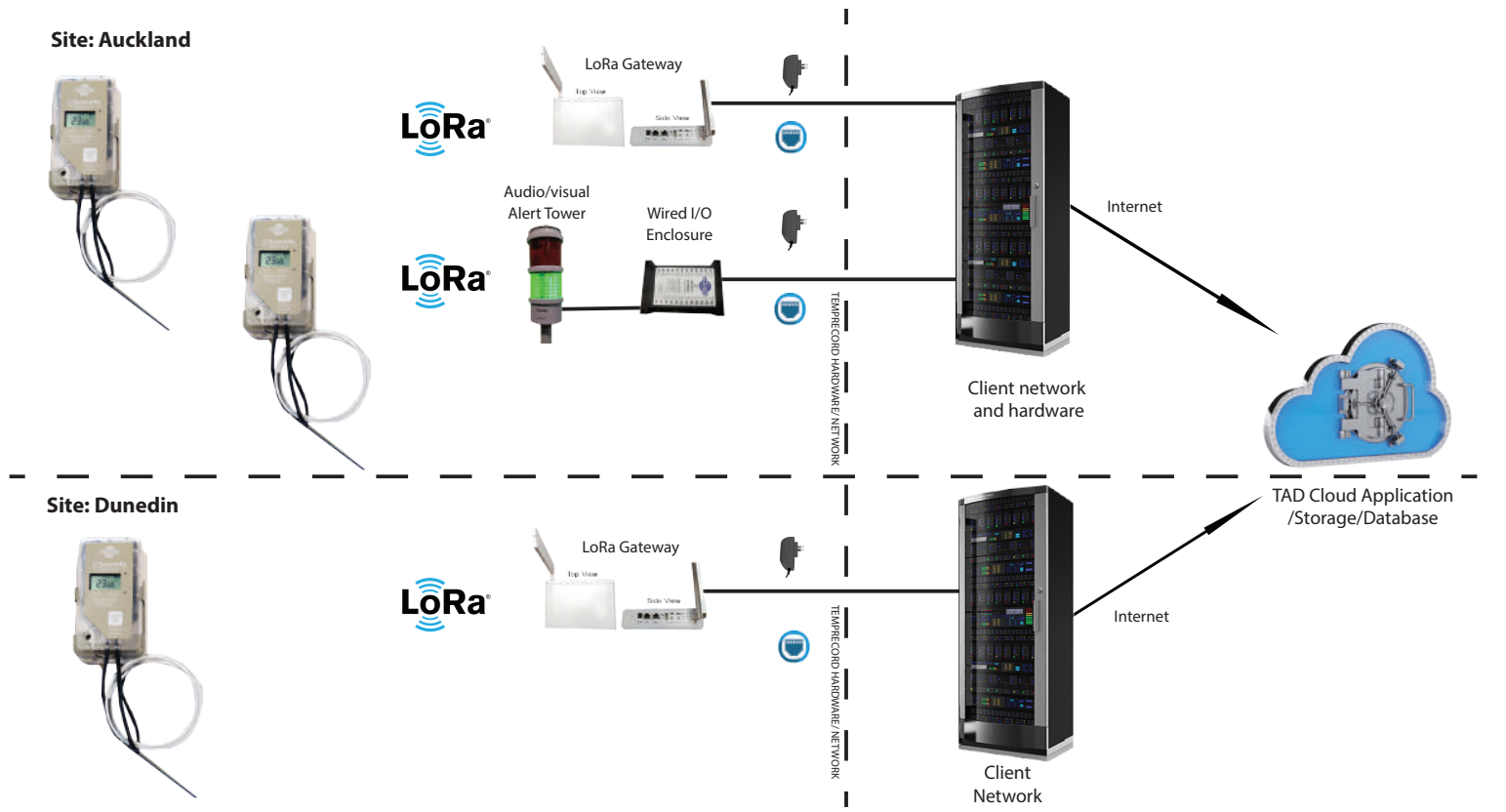|	
Start of Period	14/10/2020 09:47:12
End of Period	15/10/2020 09:47:12
Duration	1 days, 00 hr, 00 min, 00 sec, 0
Company - Branch	TEMPRECORD -> TEST

Advisories

1. Interface 005 - LoR - Chiller - Humidity took no Humidity samples in report period
2. Interface 031 - Tst - Ethernet Test - Temperature took no Temperature samples in report period
3. Interface 0 - Tst - Yo/Yasiru Test - Temperature took no samples in report period
4. Interface 0 - Tst - Yo/Yasiru Test - Sensor 2 took no samples in report period
5. Interface 001 - LoR - NZBS-001 - Temperature took no Temperature samples in report period
6. Interface 000 - LRA - NZBS-000 - Temperature took no Temperature samples in report period

Channel Summary

LocID	Number - ID - Name	Sensor	Measure/Unit	Lower	Upper	Min.	Max.	Mean	Period (sec)	Samples	Exc. (d:hh:mm:ss)
lora new PCB	003 - IoR - Yo TEST	Temperature 1	Temperature °C	20.00	26.00	22.61	33.98	23.84	60	866	5 (0:00:09:08)
lora new PCB	004 - LoR - Blue Room	Temperature	Temperature °C	20.00	29.00	4.62	23.35	22.35	60	3948	11 (0:00:12:45)
lora new PCB	005 - LoR - Chiller	Temperature	Temperature °C	20.00	25.00	21.34	23.92	22.67	60	1337	0 (0:00:00:00)
lora new PCB	005 - LoR - Chiller	Humidity	Humidity %RH	37.00	66.00				60		
lora new PCB	006 - LoR - Freezer	Temperature	Temperature °C	-28.00	-21.00	-28.08	-25.34	-26.85	60	1377	6 (0:00:11:03)
Ethernet	031 - Tst - Ethernet Test	Temperature	Temperature °C	15.00	30.00				60		
Ethernet	0 - Tst - Yo/Yasiru Test	Temperature	C	20.00	23.00				180		
Ethernet	0 - Tst - Yo/Yasiru Test	Sensor 2		0.00	0.00				180		
lora new PCB	001 - LoR - NZBS-001	Temperature	Temperature °C	20.00	24.00				60		
lora new PCB	000 - LRA - NZBS-000	Temperature	Temperature °C	20.00	24.00				60		

Temperature Monitoring
Standard, dry ice, cryogenic, high temp

Humidity Monitoring

CO² Monitoring
Carbon Dioxide

Door opening and closing
Power failures

ISO 17025 Accredited
Calibration

TAD Cloud Schematic of how the system integrates

Site: Auckland

LoRa Gateway
Top View
Side View

Audio/visual
Alert Tower

Wired I/O
Enclosure

TEMPRECORD HARDWARE / NETWORK

Client network
and hardware

Internet

TAD Cloud Application
/Storage/Database

Site: Dunedin

LoRa Gateway
Top View
Side View

TEMPRECORD HARDWARE / NETWORK

Client
Network

Internet

Support:

* Temprecord' manufacturing, design and support staff are in Auckland
* Full training provided
* Remote support available 24/7

24/7 SUPPORT

ACCREDITED CALIBRATION LABORATORY
№ 814

Auckland, New Zealand | +64 (0) 9 27 498 25 | info@temprecord.com