

**EXCLUSIVE DISTRIBUTOR
PHILIPPINES**

ACEZ
INSTRUMENTS
Knowledge Based Solutions

Building a **SMART NATION**



using Sigfox network coverage 3G/ 4G

SMART MONITORING SOLUTION (SMS)

- Easy to set-up
- Affordable Solution
- Prevent falsification of data
- 24/7 Monitoring
- Paperless recording with no errors
- Improve productivity and efficiency
- Seamless data extraction from server
- Low power consumption and rechargeable
- Data can be used for Data Analytics and more...

**SMART
Agriculture/
Greenhouse**



SMART Kitchen



**SMART Logistic/
Cold Room**



**SMART
Warehousing**



**SMART
Retails**





Internet of Things (IoT) Solutions


Sigfox is the world's leading provider of connectivity for the Internet of Things (IoT). Sigfox's unique approach to device-to-cloud communications addresses the three greatest barriers to global IoT adoption: cost, energy consumption, and global scalability. Our Smart Monitoring Solution combines a great sensor system with Sigfox network coverage. It allows its users to conduct environmental monitoring from the comfort of an office to the convenience of a smartphone. We believe that we can provide **IoT solutions of low cost, easy to use and adaptability to any business sizes.**



Device


 **IP 67**
Protected against dust and low pressure water.


 **Plug and Play**
Only requires plugging in sensor to start using.


 **Temperature & Humidity Monitoring**
Monitor your environment with data samples every 10 minutes.

Runs on Sigfox Protocol


App


 **Push notifications**
Get notified when a device requires attention.


 **Device groups**
Easier device management.


 **Device data**
See your devices' data on the go.

Portal

 **Alarm Settings**
Allow users to set up alarm for device.

 **Reports**
Get online reports of device groups and obtain device's data in csv format.

 **Historical Records**
Get device historical data for maintenance and record tracking.

 **Multiple languages support**
English, Spanish, French, and Mandarin Chinese



TEMPHAWK

Utilize temperature to change the way we live



Model: SITH-O1

Housing

Overall dimensions (L x W x H)	68 x 86 x 36 mm
Enclosure and IP rating	IP 67
Mounting	Wall
Working Range	20°C to 60°C

Power Supply

Capacity	Lithium Battery 3.7V, 2200mAh
DC Source	Input DC +5V

Temperature Sensor

Measuring Range	- 40°C to 125°C
Resolution	0.01°C
Accuracy	+/- 0.3°C

Humidity Sensor

Range (% RH)	0 to 100% RH
Resolution	1% RH
Accuracy	+/- 3% RH

Radio Antenna

Fixed Antenna	0 dBi Dipole Antenna with SMA connector
Extendable Antenna	2 dBi Dipole Antenna with 1.5 M cable
Size	58.0 x 12.5 mm (Fixed) 197.0 x 13.0 mm (Extendable)

Radio Frequency

Radio Protocol	Sigfox
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RCZ

	Radio Frequency	Output Power
Sigfox RCZ4	920 MHz	22 dBm
Sensitivity	-126 dBm (Max)	

I/O Interface

LED	2 - RED
Power Port	Micro USB (waterproof)
Data Port	Micro USB (waterproof)

Certifications



Complies with
IMDA Standards
DA 108175

Four Components of Temperature Monitoring

Data collection

- Sensors monitor temperature, humidity etc.
- Built-in communication device
- Easy-to-install and self-powered



Communications

- Sigfox connection (LPWA)
- Secure transmission of periodic data and alerts
- Geolocation of the device

Results & visualisation

- Data analyses
- Web reports
- Smartphone or tablet access



Data administration

- Connected device and data storage management
- Generation of alarms Based on defined rule sets

Value Proposition

1. 24 / 7 / 365 – Accurate And Timely Monitoring.
2. Improved Productivity And Efficiency.
3. Affordable Solutions.
4. Ease Of Installation – Plug & Play.
5. Full Portability.
6. Worldwide Access And Immediate Alarm Notification
7. Monthly Savings On Manpower Opportunity Costs – P. 16,984* / Month.



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