

EXCLUSIVE DISTRIBUTOR
SINGAPORE | MALAYSIA | PHILIPPINES



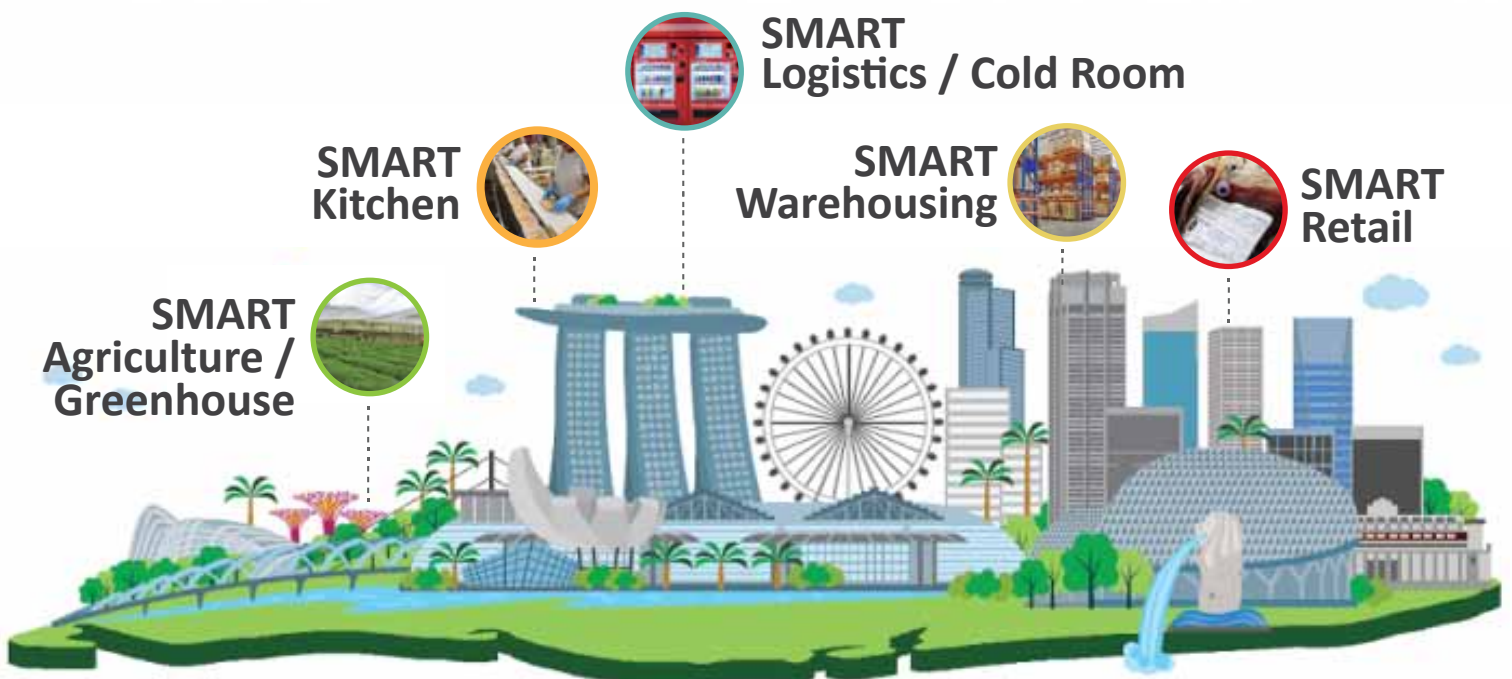
Building a **SMART NATION**



using Sigfox network coverage

SMART MONITORING SOLUTIONS (SMS)

- Easy to set-up
- Affordable Solutions
- Prevent falsification of data
- 24/7 monitoring and notification
- Paperless recording with no errors
- Improve productivity and efficiency
- Seamless data extraction from server
- Low power consumption & rechargeable
- Data can be used in the cases of litigation



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

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
----------------	--------

RCZ

Radio Frequency

Output Power

Sigfox RCZ 4	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

Based on an Employee wage of SGD 15.00/hr,
spends 1 hour a day on monitoring and recording data in
a workplace.

Cost Savings per Year
SGD 15.00 X 22 (days) X 12 (months)
= **SGD 3,960**



SENZE INSTRUMENTS PTE LTD

28F Penjurong Close #01-05 Singapore 609134

Tel: +65 6878 0600 | **Fax:** +65 6878 0242 | sales@senzeinstruments.com

www.senzeinstruments.com