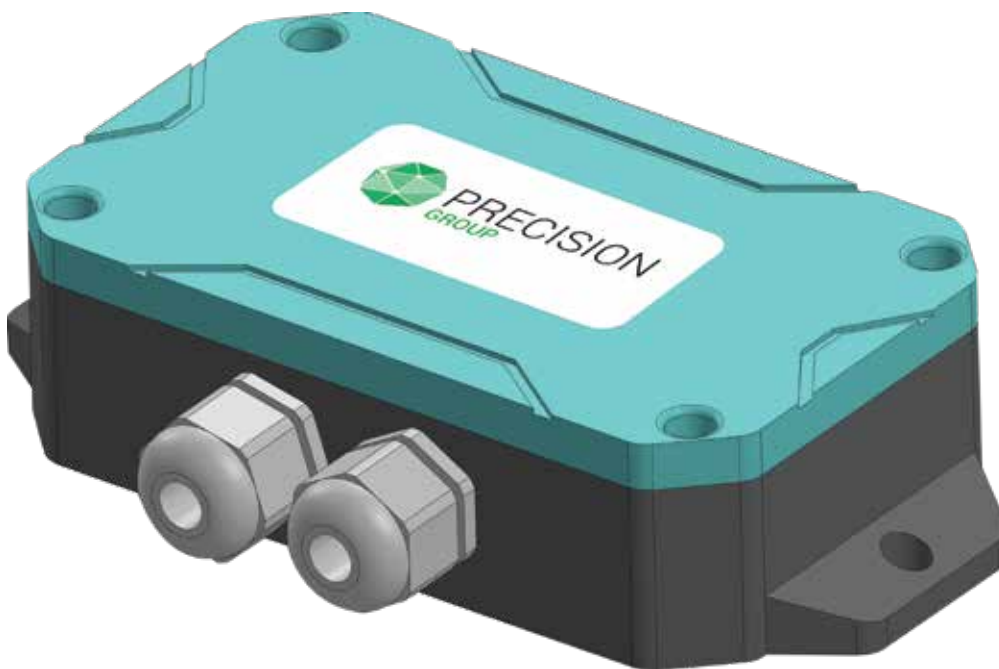


# Precision SMART COLD CHAIN MONITORING PG SCM-100

## OVERVIEW

Smart Monitoring system is an integral part of cold chain. Cold chain monitoring refers to using internet of things (IoT) technology to continually record temperature and other vital parameters and monitor temperature-sensitive products being transported in a “cold chain” – such as the supply chain of perishable or temperature-sensitive products such as pharmaceuticals, food and beverages. Our PG SCM-100 is enabled to achieve an array of operation using wireless (GSM/WiFi/BLE/NB-IoT/LoRa) technology, where it has capability to integrate multiple sensors for a centralized operation and monitoring control.



### Highlights



Live data monitoring



In-Built Battery

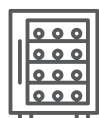


Sensor Ports

## Applications



Deep Freezer



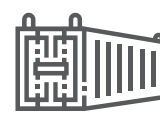
Visi- Cooler



Cold Room



Portable  
Vaccine Freezer





Reefer  
Containers



Freezer  
on Wheels

### Highlights

 GSM 2G, 3G, 4G	 Backhaul Connectivity (WiFi)	 Compliance to LoRa
--	---	--

# TECHNICAL SPECIFICATION



### SMART MONITORING DEVICE

Variants	CRM 66012300
Sensitivity	-107dBm Sensitivity for GSM850, EGSM900 -107dBm Sensitivity for DCS1800, PCS190D
Output Power	33 dBm Max for GSM850, EGSM900 30 dBm Max for DCS1800, PCS1900

### Hardware System

Input Power	Input Power: 230V, 50 Hz AC
Communication	GSM: Quad-Band (850 MHz, 900MHz, 1800 MHz, 1900 MHz)

### Others

Interface	3 Configurable Sensors Ports Temperature Sensor, Door Sensor, Humidity Sensor, Odour sensor,
Battery	In-Built Rechargeable Battery (1400 mAh -2400mAh)

### Indication via APP & Web portal

Mains to Battery Indicator
Door Status
Location Coordinates
Configurable Alerts through notifications/ Pop-up alerts in App

Dimensions	120 x 72 x 32 mm
Operating Temperature	-40°C - +60°C
Enclosure	IP 64 Complied