

## Frigo 101 AA (GSM Variant)

# Cloud Temperature Logger for Freezers and Coolers

## System Overview

Frigo-101 Series offers smart, reliable, and cloud-connected temperature monitoring for both mobile and fixed cold storage environments. From pharmaceutical freezers to food chillers and retail coolers, it ensures full visibility, regulatory compliance, and operational peace of mind. Frigo-101-AA, with GSM/LTE connectivity, is designed for remote and transit-based applications. It logs temperatures from -100°C to +50°C, and supports alerts and configuration via SMS, Bluetooth, and GPRS, ensuring uninterrupted control and monitoring.

## Cloud Logger Specification

Temperature Range	-40 C - + 60 C
Communication Protocol	GSM-GPRS
GPRS Frequency Band	850/900/1800/1900 MHz
Data Logging Interval	Configurable between 1 to 60 minutes, allowing flexibility based on monitoring needs and data requirements.
Memory	Inbuilt memory for data backup in case of connectivity disruptions, ensuring no data loss.
Housing	IP55
Dimensions	73(L) x 72(W) x 25(H) mm
Firmware Update	Over-the-Air (OTA) capability
Power Supply	External 12V / 24 DC, 1 Amp,
Backup Battery	Li-on 3.7V, 1100mAh

## Temperature Sensor Specification

Type	NTC sensor with high sensitivity, ideal for cold storage and precision monitoring environments.
Temperature Range	-40°C to +60°C
Temperature Accuracy	±1°C across the full measuring range
B Value	3435 K +/- 1°C
Casing	The temperature sensor is encased in epoxy resin for enhanced durability and environmental resistance, with a Teflon-coated wire for added protection and flexibility
Response time	Quick response time to capture real-time fluctuations and provide accurate readings to the cloud.
Mounting	Wall / Ceiling-mountable for optimal air temperature measurement, ensuring data represents true ambient conditions.

