

SMART CAP LT-50, LT-80, LT-125, LT-216



PRODUCT OVERVIEW

SmartCap intelligent cork, with liquid nitrogen tank level monitoring and temperature monitoring functions of highly integrated low-power Internet of Things module. It is suitable for 50MM/80MM/125MM/216MM caliber liquid nitrogen tank products, but also compatible with other similar liquid nitrogen tank on the market (only internal height and caliber can be configured), built-in high-efficiency nickel batteries, effective working time up to 2 years. When it collects liquid level and temperature data, it transmits the collected data to the data relay for storage at a fixed frequency (10 minutes per time) by 2.4 G wireless mode.

PRODUCT FEATURES

- 1 Double independent measurement system for high accuracy liquid level measurement and temperature measurement;
- 2 Real-time display of liquid level and temperature and free setting of SMS, email and WeChat alarm;
- 3 Send liquid level data and temperature data to smart box wirelessly;
- 4 Remote transmission of liquid level data and temperature data to the Cloud, realizing data recording, printing, storage and other functions;
- 5 Adopt internal imported special-shaped nickel battery for power supply, with long battery life.



SPECIFICATIONS

MODEL	LT-50/LT-80/LT-125/LT-216		
Working Temperature	-20 ~ 40°C	Level Measurement Range	160 ~ 700mm
Relative Humidity	≤ 75% (25°C)	Level Error	± 5mm
Instrument Input Power Supply	3.6V	Temperature Measurement Range	-200 ~ 200°C
Level Sensor	Capacitance	Temperature Error	± 0.1°C
Temperature Sensor	PT-100		



TOPOLOGY DIAGRAM OF SMARTCAP INTELLIGENT CONTROL AND MANAGEMENT SYSTEM FOR BOTTLE STOPPERS

CLOUD PLATFORM MONITORING AND MANAGEMENT SYSTEM

