



LockQR

Single Use QR Code Temperature Indicator

The LockQR is a single use QR (Quick Response Code) Code temperature data indicator (temperature indicating label) used to digitally monitor sensitive temperature controlled cargo shipments, such as pharmaceutical and food products, during long and short transportation by sea, air and land. It is designed to support GDP (Good Distribution Practice) and HACCP programs to ensure product quality and safety.

The LockQR is pre-configured device. It can monitor temperatures in the range of $-30\sim 70^{\circ}\text{C}$ ($-22\sim 158^{\circ}\text{F}$) with high resolution of 0.1°C (0.18°F). It has High and Low temperature alarm levels which can be configured to scenarios such as Cold chain shipping ($2\sim 8^{\circ}\text{C}/35.6\sim 46.4^{\circ}\text{F}$) and Room Temperature ($15\sim 25^{\circ}\text{C}/59\sim 77^{\circ}\text{F}$).

The LockQR's design is flat, small dimensions, light weight and IP67 waterproof which make it suitable for implementation in various types of cargo packages. It is all in one device that includes the Start/Stop push button, LED lights indication and QR code.

The operation of the LockQR is very simple - press the Start/Stop button for 5 seconds to start operating, and to stop press again Start/Stop button for 5 seconds .

Complies with EN12830, FCC and RoHs standards. Reports comply with ISO 19005-1 Doc. management and FDA 21 CFR Part 11.

Food Safety & Pharmaceutical Transport Standards Compliant.

*Temperature Range of $-30\sim 70^{\circ}\text{C}$ ($-22\sim 158^{\circ}\text{F}$).
High Resolution of 0.1°C (0.18°F).*

Contained in IP67 Waterproof Pouch.

EN12830, GDP, HACCP, FCC and RoHS standards Compliant.

Small, Flat, Lightweight, Easy to Operate and Cost Effective.



TECHNICAL SPECIFICATIONS

Type	Single use QR (Quick Respond Code) Code Temperature Indicator
Applications areas	Sensitive temperature controlled cargos, such as pharmaceutical and food products, during long and short transportation by sea, air and land
Operation modes	Start / Stop
Measurement range	-30 ~ 70°C / -22 ~ 158°F
Accuracy	±0.5°C / ±0.9°F
Resolution	0.1°C / 0.18°F
Typical run time	°C / °F
Alarm temperature levels	High and Low levels alarms such as: - Cold Chain Shipping (2 ~ 8°C / 35.6 ~ 46.4°F) - Room Temperature (15 ~ 25°C / 59 ~ 77°F) - Frozen food (-23 ~ -7°C / -9.4 ~ 19.4°F) Any temperature alarm levels can be pre-configured within the Measurement Range.
Typical run time	Standard configuration up to 120 days— or customized
OS Version	Android 4.0 or above
Shelf life	1 years
Indication LED	One LED indicating: OK / Alarm / Running Status.
Power	3.0V CR2032 lithium battery
Waterproof level	IP67
Dimensions	47.3mm L x 47.3mm W x 6.0mm H
Weight	7g
Packaging	Plastic Pouch
Standards	Complies with EN12830, FCC, RoHs standards. Reports comply with ISO 19005-1 Doc. management and FDA 21 CFR Part 11.

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