



205, 215

Single-Use Temperature
Data Loggers

Durability Built for Real-World Food Chain



Hard-case protection with advanced temperature and humidity monitoring for verifiable freshness from farm to shelf.

RTEL 205 & 215 Data Loggers are engineered for the demanding conditions of produce, protein, floral, and other perishable shipments. Their rugged hard-case design stands up to rough handling, stacked pallets, and long-haul routes while maintaining accurate, time-stamped temperature records across every mile.

RTEL 205 monitors temperature with four programmable alarms. RTEL 215 adds relative humidity tracking—critical for commodities sensitive to moisture swings. Secure PDF/CSV reporting gives growers, shippers, and retailers the clarity they need to reduce claims.



Simple to Use

One-touch start/stop
USB / Plug n' Play



Programmable

Customize alarm & start delay settings



High Capacity

Up to 33,0000 time-stamped data points



Wide Temp Range

-30°C—70°C
(-22°F—158°F)



Waterproof

Shielded within a food-grade composite bag



3-Point NIST

Traceable calibration ensures accuracy

For over 40 years, RTE has pioneered temperature monitoring in refrigerated transport—including RTEL, the industry's first digital data logger for perishable shipments, launched in 1994.

RTE

Technical Specifications



RTEL 205

Single-Use Temperature Logger

- ✓ Check Min, Max, Avg Temp during transit
- ✓ View screen at any angle
- ✓ Hard-Case Format



RTEL 215

Single-Use Temperature & RH Logger

- ✓ Adds Relative Humidity Monitoring

RTEL 205 / 215

Notification Type	LCD Display - Recording, OK/Alarm, Start Delay, Avg/Max/Min Temperatures
Battery Life	up to 2 years (1yr storage / 1yr in-use life) @ 25°C & 5 min logging interval
Measurement Range	-30 °C ~ 70 °C
Measurement Accuracy	± 0.5°C @-10~40°C, ± 0.8°C @-30 ~-10°C & 40~70°C ±3%RH@20-80%RH,±4%RH@other (215 Only)
Resolution	0.1°C 0.1%RH (215 Only)
Alarm Limits	(4) Two High / Two Low Programmable Alarms - Customize alarm threshold and delays
Logging Interval	1 minute - 24 hours (Default 10 minutes)
Storage Capacity	205: up to 33,000 data points for single PDF or CSV report / <25,000 for combined report 215: up to 25,000 data points for single PDF or CSV report / <18,000 for combined report
Report Format	PDF / CSV / Combined PDF&CSV (Optional Configuration)
Start Delay	0 minutes - 24 hours (Default 15 minutes)
Start Mode	Manual Start
IP Rating	IP65
Battery Type	3.0V CR2032
Connection	USB2.0
Dimensions	105x40x10mm
Weight	30g
Product Certifications	CE, EN12830:2018, RTCA/DO-160G (Aviation Safety Directive), RoHS

Other Solutions

RTEL 100

Single-use Temperature Indicator

Simple, economical, and delivering actionable insights that ensure safety and compliance.



RTEL 201

Single-use Temperature Data Logger

A value-based solution for asset temperature logging with easy-to-read LCD display and USB report access.



Request a sample logger today.

Because compliance starts with confidence.

RTE