



COMARK

A Fluke Company

Comark RF542 Remote Temperature Monitor



The RF542 remote temperature monitor connects via a port to LAN or WAN anywhere so you can expand your RF500 Wireless Monitoring System using your existing network.

As part of an RF500 Wireless Monitoring System, the RF542 temperature monitor operates on the local area network extending the coverage to remote areas of a building where it may not be possible to get the signal from the RF500 wireless network.

With an RF542 it is possible to monitor two temperature points from up to 64 different locations using one Gateway!

Applications include restaurants, food processing, cold storage, schools, clinics, pharmacies, blood banks, laboratories.

The RF542 is supplied with a power supply unit and requires mains power when in operation.

Comark uses BioCote® in the case construction, the only antimicrobial solution to be awarded HACCP International Certification, to provide an important extra level of defence against cross-contamination.

Features

- Connect via a port to LAN or WAN anywhere
- Expand your monitoring system using your existing network
- The RF500A Gateway hosts any combination of RF500 series collection devices. This includes RF542 data wired to the network and RF wireless transmitters stationed within radio range of the Gateway.
- 24/7 Email and SMS Alerts
- Temperature measurement via single or duplex sensor probe
- RF542 can monitor two temperature points from up to 64 different locations using one Comark RF500A Gateway!

The Professionals' Choice

Comark RF515

Multi-parameter Wireless Transmitter



Comark Instruments

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Specifications

Packaging Contents

1x RF542 (including 3.6V AA Lithium Battery), 1x RF542 Wall Mount Bracket, 2x Cable Ties, 1x RF520 AC Adapter Including Regional Adapter, 1x Cat5e Ethernet Cable, 1x RF525 Transmitter Activator, 1x RF542 Quick Reference Guide

Operating Temperature Range	0°C to 50°C 10-90%RH Non-condensing
Temperature Measurement Range	
- External Sensor	-40°C to +125°C / -40°F to +257°F
System Accuracy with External Thermistor	-20°C to +70°C ±0.5°C / ±0.9°C
System Accuracy with External Thermistor	
- Full Range	±1°C / ±2°C
Resolution Temperature - Thermistor	0.1°C / 2.0°F
Door Sensor	7.5 seconds
Storage Temperature	-40°C to +85°C / -40°F to +185°F
Ethernet Connectivity	Fixed 100Mbps Half Duplex RJ45
Network Configuration	DHCP
Clock Accuracy	20ppm (1 minute/month) at 25°C / 77°F
Logging Memory	32,000 records
Logging Frequency	Programmable between 1 minute and 60 minutes
Monitoring Frequency	1 minute
LEDs	Red (Front Label) Alarm Green (Front Label) External Power Green (Side) - LAN Connection
Case Material	Over Moulded food safe clear Polycarbonate with BioCote® antimicrobial
Battery Type	Replaceable Lithium AA Cell 3.6V
Battery Life	Up to 2 years backup, Normal operation requires RF520 (Supplied)
Dimensions	L 83mm x W 107mm D 40mm
Weight	215g

For more details please see www.comarkinstruments.com

BioCote®

Selected Comark thermometers, probes and data loggers have BioCote's silver technology incorporated into instrument cases and probe handles at the time of manufacture. The antimicrobial finish inhibits the growth of bacteria, reducing the risk of cross-contamination and infection in the environment. BioCote® has been officially recognised for its benefits within the food industry with HACCP International Certification. HACCP International Certification supports organisations that demonstrate food safety excellence in non-food products that are designed for, or are commonly used in, the food industry. BioCote® is the only antimicrobial solution to be awarded HACCP International Certification.

Warranty

All Comark instruments have a minimum one year warranty unless otherwise stated. The warranty for temperature probes is six months and all other probes are unwarranted because the conditions of use are beyond our control. The Comark Warranty covers manufacturing defects and component failure and applies worldwide. In line with our policy of continuous development, we reserve the right to alter any product specification without notice. Comark has an accredited UKAS (NIST equivalent) calibration laboratory for temperature and humidity measurement and offers full service and recalibration facilities.

Comark Instruments is committed to providing quality and affordable products to the food service industry. Our thermometers and humidity testers bring speed, accuracy and reliability to the transport, testing and storing of food under HACCP guidelines. A large variety of products, well-trained staff, and a commitment to customer satisfaction mean you can come to us for answers to all your temperature measurement needs!

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