

Expand with RF542 Remote Monitoring

New!

Sends temperature data, door activity
and alarms from remote locations



- 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!

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

Comark is the only manufacturer to use BioCote® antimicrobial protection to provide an important extra level of defence against cross-contamination.



Comark is the leading manufacturer and supplier of a wide range of electronic measurement instruments for temperature, humidity, and pressure



Technical Specification

Operating 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 Standard Sensors Temperature: External Thermistor -20°C to +70°C External Thermistor - Full range	±0.5°C/ ±0.9°F ±1°C/ ±2°F
Resolution Temperature Thermistor Door Sensor	0.1°C/0.2°F 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	32000 records
Logging Frequency	Programmable between 1 minute and 60 minutes
Monitoring Frequency	1 minute
LED's	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
Dimensions	L 83mm x W 107mm x D 40mm
Weight	215g
Probe Attachment Required	A standard Comark probe is required for operation of this device. See below for probe selection

RF542 Probes with Ambient Sensors	
Single	
RFAX100	1 Metre Lead
RFAX200	2 Metre Lead
RFAX500	5 Metre Lead
RFAX1000	10 Metre Lead
Dual	
RFAX100	Two 1 Metre Leads
RFAX 200	Two 2 Metre Leads
RFAX 500	Two 5 Metre Leads
RFAX1000	Two 10 Metre Leads

RF542 Probes with Penetration Sensors	
Single	
RFAP100	1 Metre Lead
RFAP500	5 Metre Lead
Dual	
RFAP100D	Two 1 Metre Leads
RFAP500D	Two 5 Metre Leads



WARRANTY

All Comark instruments have a minimum one year warranty unless otherwise stated. The warranty period for temperature probes is for six months and all other probes and electrodes are unwarranted because the conditions of use are beyond our control. The Comark warranty covers manufacturing defects and component failures on all products returned to Comark premises and applies worldwide. The warranty does not affect your statutory rights. In line with our policy of continuous development we reserve the right to alter any product specifications without notice. All products are covered by our Quality Management System which is compliant with BS EN ISO 9001:2008 for the design, manufacture, supply, service, repair and recalibration of electronic measuring instruments and equipment.

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 and is becoming accepted within HACCP and due diligence procedures as an important extra level of defence.

Distributed by:

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Comark Instruments
Bury Mead Road, Hitchin,
Hertfordshire SG5 1RT, UK

Tel: 0844 (+44 844) 815 6599
Fax: 0844 (+44 844) 815 6598
Email: salesuk@comarkltd.com – UK and Ireland
salesint@comarkltd.com – International

Comark Instruments
PO Box 500
Beaverton, OR 97077, USA

Tel: (800) 555 6658
Fax: (503) 644 5859
Email: sales@comarkusa.com - USA



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