



Product Catalog

June 2014

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**Remote monitoring solutions
for fuel and energy
infrastructure.**

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ION-0614 R2



No. 9502 Remote Fluid Level Monitoring Kit

No. 9502 Kit includes the following:

- ◇ No. 9071 "iRocket" Ultrasonic Level Sensor/Transmitter
- ◇ No. 9400 RF-Internet Broadband Hub
- ◇ No. 9420 USB Power Supply
- ◇ No. 9430 Ethernet cable
- ◇ No. 7020 2" NPT Tank Adapter
- ◇ Gasket and mounting screws for level sensor (not shown)
- ◇ 1-Year Warranty

With the next-generation ultrasonic sensor, this kit is used to remotely monitor tank levels and temperature at the tank, for many applications including fuel oil, diesel, waste oil, water and other approved compounds.

Requires no phone line and no phone service. Hub connects to any terrestrial broadband Internet router on site, and 120-volt power. Hub reception distance is 100-150 ft. Additional IONIT Sensors can be added.



No. 9500 Remote Fluid Level Monitoring Kit

No. 9500 Kit includes the following:

- ◇ No. 9070 wireless "iRocket" Ultrasonic Level Sensor/Transmitter
- ◇ No. 9400 RF-Internet Broadband Hub
- ◇ No. 9420 USB Power Supply
- ◇ No. 9430 Ethernet cable
- ◇ No. 7020 2" NPT Tank Adapter
- ◇ Gasket and mounting screws for level sensor (not shown)
- ◇ 1-Year Warranty

This kit is used to remotely monitor tank levels and temp at the tank, and includes a separate wireless temperature sensor which can be configured to detect burner-lock out for burners with control modules.

Requires no phone line and no phone service. Hub connects to any terrestrial broadband Internet router on site, and 120-volt power. Hub reception distance is 100-150 ft. Additional IONIT Sensors can be added.



No. 9071
Next-Generation
iRocket Sensor



No. 9070 iRocket Sensor

No. 9071/9070 Features and Characteristics:

- ◇ 9071 uses new advanced ultrasonic horn design for increased accuracy and reliability
- ◇
- ◇ Measures distance by reflecting ultrasonic radio signals off liquid surface
- ◇ Measurement resolution is 0.4 in (1.0 cm)
- ◇ Measures temperature from -40°F to 120°F
- ◇ Measurement and transmission interval is 7.5 min (fast mode is 0.5 sec)
- ◇ Powered by 3v Lithium Ion cell (CR2430) - field replaceable
- ◇ Expected battery life is 5 to 10 years
- ◇ Maximum Measurement Distance (e.g. tank height) is 10 ft
- ◇ Transmission range is 100-150 ft (300 ft line-of-sight in free space)
- ◇ Transmission frequency is 915 MHz
- ◇ Complies with FCC Part 15
- ◇ Approved for inside and outside use
- ◇ Approved for use in most non-acidic environments
- ◇ 1-Year Warranty

Bottom View



No. 9470 Temp/Utility Sensor

No. 9470 Features and Characteristics:

- ◇ Measures temperature from -40°F to 120°F
- ◇ Temperature resolution is 1°F and accuracy is ± 1°F
- ◇ Normal transmission interval is 60 min (fast mode is 0.4 sec)
- ◇ Alerting transmission for burner lock-out is immediate
- ◇ Powered by 3v Lithium Ion cell (CR2430) - field replaceable
- ◇ Expected battery life is 5 to 10 years
- ◇ Detects "normally open" dry contact closure (response time is < 16 sec)
- ◇ Can detect burner lock-out - set by DIP switches
- ◇ Transmission range is 100-150 ft (300 ft line-of-sight in free space)
- ◇ Transmission frequency is 915 MHz
- ◇ Complies with FCC Part 15
- ◇ For indoor use only
- ◇ 1-Year Warranty



Tank Adapters for No. 9070 Sensor

- No. 7012 - 1-1/4" NPT
- No. 7015 - 1-1/2" NPT
- No. 7020 - 2" NPT



No. 7030 Tank Adapter

Used to mount No. 9070 sensor to European style (e.g. Roth) double wall tanks



No. 7370 Tank Adapter

Used to mount No. 9070 sensor on tanks with no available opening



No. 9400 Internet Hub

No. 9400 Features and Characteristics:

- ◇ Receives data from IONIT sensors
- ◇ Sends data over broadband Internet connection to IONIT Cloud software
- ◇ Connects to any Internet router* with included Ethernet cable
- ◇ Powered by any "always on" USB port or AC adapter (included)
- ◇ Provides LEDs for visual operating condition
- ◇ Reception range is 100-150 ft (300 ft line-of-sight in free space)
- ◇ Approved for inside use only
- ◇ 1-year Warranty

* IONIT Hub is designed to connect to the Internet via any residential or small business router. If the router employs a firewall, the router will need to be configured to allow the Hub access for regular web traffic (port 80).



No. 9410 Cellular Modem

No. 9410 Features and Characteristics:

- ◇ IONIT Hub (No. 9400) plugs into cellular modem (No. 9410)
- ◇ Cell modem sends data over cellular network (additional fees apply)
- ◇ Ideal for locations with no Internet connection
- ◇ Modems available for Verizon Wireless, Sprint, T-Mobile and more
- ◇ For inside use only



No. 9601 Ethernet Switch

No. 9601 Features and Characteristics:

- ◇ Provides up to 5 additional Ethernet ports
- ◇ Used if on-site router lacks an available port for No. 9400 Hub
- ◇ Simple installation
- ◇ Power Supply included
- ◇ For inside use only



No. 9420
Replacement
Power Supply for
ION-9400 (Hub)



No. 9430
Ethernet Cable
7 ft long with 2
male RJ45
connectors



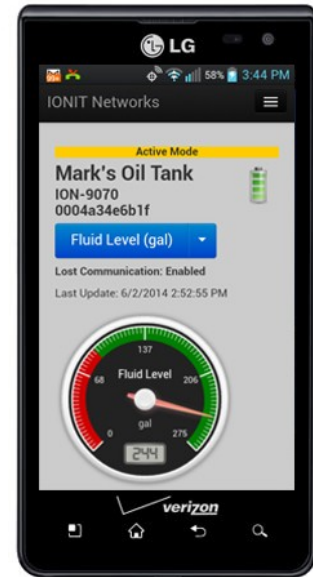
No. 7060 CR2430 Battery
Replacement battery for No. 9070
Rocket and No. 9470 Temp sensors.
High quality VARTA battery.

IONIT Cloud Software Subscriptions (No. 9900) Features and Characteristics:

- ◇ New IONIT Cloud software annual subscriptions
- ◇ No servers or other hardware to buy or maintain
- ◇ Cloud software is always up-to-date with latest features and enhancements
- ◇ Access to IONIT Cloud from from Internet-connected device
- ◇ Use your smartphone, tablet, laptop or PC



- ◇ Setup sensor, and identify its geographic location using your smartphone
- ◇ Check any sensor's data by scanning the QR code on that device
- ◇ Verify signal strength between sensor and IONIT Hub to ensure proper sensor placement



- ◇ Map View provides quick visual of all remote devices and status
- ◇ Hover-over pins to quickly view all device Alerts and conditions
- ◇ Drill-in to view details of any device from any screen
- ◇ View charts and tables of historical data for all devices
- ◇ Create unlimited custom trigger events for generating Alerts
- ◇ System Alerts automatically notify when a device has not reported as expected ("Lost Communication")
- ◇ Receive Alerts via text message or email

