



WIRELESS AC POWERED QUAD HEAD

Gas Detection For Life

AirLink 6940NXP



Features

- Electrochemical, PID, or low power IR sensors
- Wireless communication
 - 900 MHz radio and 52 networks
 - 2.4 GHz radio and 78 networks
- AC powered with integrated backup battery pack
- Graphical LCD with LED backlight
- Adjustable background gas setting per setting
- 4 Push-button interface (MENU, ADD, SUB, and BACK) with 4 corresponding magnetic, non-intrusive switches
- Sensor warranty subject to factory verification
- 1-Year limited hardware warranty

Industry Applications

- Petrochemical plants, Refineries
- Water & wastewater treatment plants
- Pulp & paper mills
- Manufacturing facilities
- Chemical plants

The RKI AirLink 6940 NXP series AC powered ambient air multi-gas detector simultaneously uses up to four sensor elements to detect an array of gases. The Assembly reports once a minute, however the reporting rate will increase to once every five seconds if the target gases exceed a preset background level. Operates from an AC power supply with an internal backup battery pack. Magnetic switches allow for non-intrusive calibration while in the field as well as full system settings and diagnostics.

| Gas Type | Range | T ₉₀ | Hazard Classification |
|-----------|----------------------------|-----------------|-----------------------|
| Ash3 | 0 - 1 ppm | < 30 sec. | Class 1, Div 2 |
| CH2O | 0 - 10 ppm | < 30 sec. | Class 1, Div 2 |
| CH3SH | 0 - 10 ppm | < 100 sec. | Class 1, Div 2 |
| CL2 | 0 - 10 ppm | < 60 sec. | Class 1, Div 2 |
| CLO2 | 0 - 1 ppm | < 120 sec. | Class 1, Div 2 |
| CO | 0 - 1000 ppm | < 30 sec. | Class 1, Div 1 |
| CO2 | 0 - 1.5% Vol. | < 30 sec. | Class 1, Div 1 |
| ETO | 0 - 10 ppm | < 80 sec. | Class 1, Div 2 |
| F2 | 0 - 1 ppm | < 80 sec. | Class 1, Div 2 |
| H2 | 0 - 4% Vol. | < 60 sec. | Class 1, Div 1 |
| H2S | 0 - 100 ppm | < 30 sec. | Class 1, Div 1 |
| H2S | 0 - 2000 ppm | < 25 sec. | Class 1, Div 1 |
| HBr | 0 - 30 ppm | < 40 sec. | Class 1, Div 2 |
| HCL | 0 - 30 ppm | < 300 sec. | Class 1, Div 2 |
| HCN | 0 - 50 ppm | < 70 sec. | Class 1, Div 2 |
| HF | 0 - 10 ppm | < 90 sec. | Class 1, Div 2 |
| LEL-IR | 0 - 100% LEL (0 - 5% Vol.) | < 30 sec. | Class 1, Div 1 |
| LEL HC-IR | 0 - 100% LEL | < 30 sec. | Class 1, Div 1 |
| NH3 | 0 - 100 ppm | < 90 sec. | Class 1, Div 2 |

| Gas Type | Range | T ₉₀ | Hazard Classification |
|-------------------|--|-----------------|-----------------------|
| NH3 | 0 - 300 ppm | < 120 sec. | Class 1, Div 2 |
| NH3 | 0 - 1000 ppm | < 120 sec. | Class 1, Div 2 |
| NO | 0 - 250 ppm | < 40 sec. | Class 1, Div 2 |
| NO2 | 0 - 20 ppm | < 25 sec. | Class 1, Div 2 |
| O2 | 0 - 25% Vol. | < 15 sec. | Class 1, Div 1 |
| O3 | 0 - 5 ppm | < 60 sec. | Class 1, Div 2 |
| PH3 | 0 - 5 ppm | < 30 sec. | Class 1, Div 2 |
| SO2 | 0 - 20 ppm | < 35 sec. | Class 1, Div 1 |
| PID VOC | 0 - 10.00 / 20.00 / 50.00 ppm | < 3 sec. | Class 1, Div 1 |
| PID VOC | 0 - 100.00 / 200.00 / 500.00 / 1000 / 2000 ppm | < 3 sec. | Class 1, Div 1 |
| PID - VOC 10.0 eV | 0 - 10.00 / 20.00 / 50.00 / 100 ppm | < 3 sec. | Class 1, Div 1 |
| PID - VOC 11.7 eV | 0 - 50.00 / 100 / 1000 ppm | < 3 sec. | Class 1, Div 1 |

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World Leader In Gas Detection & Sensor Technology
www.rkiinstruments.com

AirLink 6940-NXP Sensor Assembly

| Product Specifications | |
|----------------------------|--|
| Sensor Type | Electrochemical, PID and / or low-power infrared sensor |
| Power Type | AC power supply with integrated 3.6VDC/76 Ah backup battery pack |
| RF Connection | External N-female radio frequency (RF) connector, flexible antenna included |
| Display Screen | 160x104 Resolution graphical LCD screen Transflective (sunlight readable) with LED backlight |
| Interface | 4 Push-buttons (MENU, ADD, SUB, and BACK) 4 Magnetic non-intrusive switches for calibration (MENU, ADD, SUB, and BACK) |
| Customizable Settings | Adjustable background gas setting (1% to 10% of full scale) settable per sensor element |
| Temperature Range | -40°C to +60°C |
| Wireless Radio Options | 900 MHz (200 mW) radio or 2.4 GHz (125 mW) radio |
| Networks | 52 Networks (900 MHz radio) or 78 networks (II 2.4 GHz radio) 255 addresses per network |
| Product Dimensions | 5 in. D x 10.5 in. W x 20 in. H (Max. dimensions with attachments) |
| Enclosure Material | NEMA Class I, 4, 4X and 6 fiberglass enclosure with clear lid - IP 66, UL 508 and UL 746C (f1) rated |
| Hardware Warranty | Limited one year |
| Sensor Element Warranty | Varies with sensor element and is subject to factory verification |
| Compatible Controllers | AirLink 7010, AirLink 7032, and AirLink 7543 |
| Optional Remote Sensor Kit | Electrochemical sensor — up to 250 feet of cable Low power infrared sensor — up to 40 feet of cable Photo Ionization Detector (PID) — up to 35 feet of cable |

Specifications subject to change without notice.

Made in the USA



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