



INSTRUMENTS

WIRELESS AC POWERED QUAD HEAD

Gas Detection For Life

AirLink 6940 NXP



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 10.6 eV	0 - 10.00 / 20.00 / 50.00 ppm	< 3 sec.	Class 1, Div 1
PID - VOC 10.6 eV	0 - 100 / 200. / 500 / 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 - 100	< 3 sec.	Class 1, Div 1

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World Leader In Gas Detection & Sensor Technology
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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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