

IMR 900 A Series Ambient Gas Detectors



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公司名: 深圳市工采网络科技有限公司

电话: +86-755-83289036

地址: 广东省深圳市南山区高新南一道中国科技开发院3号楼16层

传真: +86-755-83289052

邮箱: sales@isweek.cn

Model	IMR 901A-CO2
Detecting gas	Carbon Dioxide (CO2)
Measuring range	(0~5000)ppm, (0~5)%vol, (0~10)%vol, (0~100)%vol
Resolution ratio	1ppm / 0.01%vol
Display	Liquid crystal display(LCD) display
Response time	≤50s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	> 3 months (without backlight)
Sensor lifetime	≥5 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery model	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-CO
Detecting gas	Carbon Monoxide (CO)
Measuring range	(0~100)ppm,(0~1000)ppm, (0~10000)ppm
Resolution ratio	1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-O2
Detecting gas	Oxygen (O2)
Measuring range	(0~25)%vol, (0~30)%vol
Resolution ratio	0.1%vol
Display	Liquid crystal display(LCD) display
Response time	≤35s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-H2S
Detecting gas	Hydrogen Sulphide (H2S)
Measuring range	(0~50)ppm,(0~100)ppm,(0~1000)ppm
Resolution ratio	1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-SO2
Detecting gas	Sulphur Dioxide (SO2)
Measuring range	(0~20)ppm, (0~50)ppm
Resolution ratio	0.1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-NO
Detecting gas	Nitrogen Monoxide (NO)
Measuring range	(0~100)ppm,(0~250)ppm
Resolution ratio	0.1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-NO2
Detecting gas	Nitrogen Dioxide (NO2)
Measuring range	(0~20)ppm, (0~100)ppm, (0~200)ppm
Resolution ratio	0.02ppm / 0.1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-CL2
Detecting gas	Chlorine (CL2)
Measuring range	(0~10)ppm
Resolution ratio	0.01ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-H2
Detecting gas	Hydrogen (H2)
Measuring range	(0~1000)ppm
Resolution ratio	1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-NH3
Detecting gas	Ammonia (NH3)
Measuring range	(0~100)ppm, (0~1000)ppm
Resolution ratio	1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-O3
Detecting gas	Ozone (O3)
Measuring range	(0~5)ppm, (0~100)ppm
Resolution ratio	0.1ppm
Display	Liquid crystal display(LCD) display
Response time	≤45s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>3 months (without backlight)
Sensor lifetime	≥2 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	105*54*32mm/450g



Model	IMR 901A-LEL
Detecting gas	Combustible Gas (LEL)
Measuring range	(0~100)%LEL
Resolution ratio	1%LEL
Display	Digital diode (LED) display
Response time	≤20s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	> 10h (without backlight)
Sensor lifetime	≥1 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	103*54*29mm/380g



Model	IMR 901A-CH4
Detecting gas	Methane (CH4)
Measuring range	(0.00~4.00) %CH4, (0~100)%CH4
Resolution ratio	0.01%CH4
Display	Digital diode (LED) display
Response time	≤20s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	>10h (without backlight)
Sensor lifetime	≥1 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	103*54*29mm/380g



Model	IMR 901A-CH4-IR
Detecting gas	Methane (CH4 IR)
Measuring range	(0.00~5000) ppmCH4, (0.00~5.00) %CH4, (0~100)%CH4
Resolution ratio	0.01%CH4
Display	Digital diode (LED) display
Response time	≤20s(T90)
Alarm sound intensity	≥75dB
Alarm light	≥20m visible
Alarm point	Fully adjustable
Alarm method	Sound, light
Continuous working time	> 10h (without backlight)
Sensor lifetime	≥1 year
Working current	< 1mA (without backlight)
Working temperature	-25~55°C, short time: -40~55°C
Battery	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP54
Size & Weight	103*54*29mm/380g



Model	IMR 902A-CH4-CO2
Detecting gas	CH4, CO2
Measuring range	CH4: (0.00~5.00)%Vol CO2: (0.00~5.00)%Vol
Resolution ratio	CH4: 0.01%vol, CO2: 0.01%vol
Display	Liquid Crystal Display(LCD)
Response time	CH4: ≤20S (T90) CO2: ≤45s (T90)
Alarm way	Sound, light/Audible & Visual
Alarm sound & light	≥75dB; ≥20M visible
Alarm point	Fully adjustable
Continuous working time	≥12hours
Working current	95mA
Sensor lifetime	≥5years
Battery model	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP65
Size & Weight	130*66*30mm, 500g



Model	IMR 903A-CH4-CO2-H2S
Detecting gas	CH4, CO2, H2S
Measuring range	CH4: (0 ~ 100)%vol CO2: (0~100)%vol H2S: (0 ~ 1000)ppm
Resolution ratio	CH4: 1%vol H2S:1ppm CO2: 1%vol
Display	Liquid Crystal Display(LCD)
Response time	CH4: ≤70S (T90) CO2: ≤70s (T90) H2S: ≤45s (T90)
Alarm way	Sound, light/Audible & Visual
Alarm sound & light	≥80dB; ≥20M visible
Alarm point	Fully adjustable
Continuous working time	≥13hours
Working current	80mA
Sensor lifetime	≥5years(CH4, CO2) ≥2years(H2S)
Battery model	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP65
Size & Weight	130*66*30mm, 500g



Model	IMR 904A-CH4-O2-H2S-CO
Detecting gas	CH4, O2, H2S, CO
Measuring range	CH4: (0.00—5.00)%Vol O2: (0~30.0)%vol, (0~100)%vol H2S: (0 ~ 100)ppm CO: (0~1000) ppm
Resolution ratio	CH4: 0.01%vol, O2: 0.1%vol H2S:1ppm, CO: 1ppm
Display	Liquid Crystal Display(LCD)
Response time	CH4: ≤20S (T90), O2: ≤35s(T90), H2S: ≤45S (T90), CO: ≤45s (T90)
Alarm way	Sound, light/Audible & Visual
Alarm sound & light	≥75dB; ≥20M visible
Alarm point	Fully adjustable
Continuous working time	≥12hours
Working current	95mA
Sensor lifetime	≥2year(CO, O2, H2S) ≥1year(LEL, CH4)
Battery model	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP65
Size & Weight	130*66*30mm, 500g



Model	IMR 904A-LEL-O2-H2S-CO
Detecting gas	LEL, O2, H2S, CO
Measuring range	LEL: (0 ~ 100)%LEL O2: (0~30.0)%vol, (0~100)%vol H2S: (0 ~ 100)ppm CO: (0~1000) ppm
Resolution ratio	LEL: 1%LEL, O2: 0.1%vol H2S:1ppm, CO: 1ppm
Display	Liquid Crystal Display(LCD)
Response time	LEL: ≤20S (T90), O2: ≤35s(T90), H2S: ≤45S (T90), CO: ≤45s (T90)
Alarm way	Sound, light/Audible & Visual
Alarm sound & light	≥75dB; ≥20M visible
Alarm point	Fully adjustable
Continuous working time	≥12hours
Working current	95mA
Sensor lifetime	≥2year(CO, O2, H2S) ≥1year(LEL)
Battery model	PL123450, 3.7V/1500mA
Charging time	4-5 hours
Protection degree	IP65
Size & Weight	130*66*30mm, 500g

