















| | | Origin | Air | Carbon | Pilot | PMi |
|---------------------|---|--|---|---|---|---|
| INSAFE+ | |  Smoke detector |  Carbon monoxide detector |  Carbon dioxide detector |  Temperature and humidity Sensor |  Particulate Matter Sensor |
| REFERENCES |  | I870SF | I850SF | I420SF | I880SF | I640SF |
| |  | I870LR | I850LR | I420LR | I880LR | I640LR |
| GENERAL INFORMATION | Technology | Photoelectric detector | Electrochemical sensor | Non-dispersive infrared spectrometric (NDIR) sensor | CMOS digital sensor | Laser grain size sensor |
| | Sensors and Measurements | - Smoke - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Carbon monoxide Measuring range: 0 - 1000 PPM - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Carbon dioxide Accuracy: ± (50 ppm + 3% of measuring range) - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Particulate Matters: PM1, PM2.5, PM10 Detection range: 0.3 - 10µm Measuring range: 0...1000µg/m3 Measuring resolution: 0.1µg/m3 - Temperature. Resolution: 0.1°C - Humidity. Resolution: 1% RH |
| | Indicators | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator |
| | Transmission frequency | Every 24 hours and as of the appearance of an alarm | Every 24 hours and as of the appearance of an alarm | 10 minutes | 10 minutes | 10 minutes |
| | Indicator lights | 2 operation LEDs orange/red | 3 operation LEDs green/orange/red | 3 instant air quality LEDs green/orange/red | 3 operation LEDs green/orange/red | 3 air quality LEDs green/orange/red |
| | Configuration via NFC interface | Yes (for Lora only) | Yes (for Lora only) | Yes | Yes | Yes |
| CHARACTERISTICS | Power supply | 2 sealed lithium batteries Battery life: 10 years | 2 sealed lithium batteries Battery life: 10 years | 3 sealed lithium batteries Battery life: up to 10 years | 3 sealed lithium batteries Battery life: up to 10 years | AC power adapter |
| | Push Button | No | No | Yes | Yes | Yes |
| | Conditions of use | Temperature: 4°C to +45°C Relative humidity: from 15% RH to 95% RH | Temperature: -10°C to +40°C Relative humidity: from 15% RH to 95% RH | Temperature: 0°C to +50°C Relative humidity: 0% RH to 95% RH | Temperature: 0°C to +50°C Relative humidity: 0% RH to 95% RH | Temperature: -10°C à +70°C Relative humidity: de 10% RH à 90% RH |
| | Dimensions | L 105 mm x W 105 mm x H 30 mm | L 105 mm x W 105 mm x H 30 mm | L 105 mm x W 105 mm x H 30 mm | L 105 mm x W 105 mm x H 30 mm | L 105 mm x W 105 mm x H 50 mm |
| | Net weight | 150 g | 150 g | 200 g | 200 g | 250g |
| | Case | IP40 | IP40 | IP40 | IP40 | IP20 |
| | Type of mounting | Wall-mounted | Wall-mounted or standalone | Wall-mounted or standalone | Wall-mounted | Standalone |
| | Certification | CE / EN 14604 | CE / EN 50291 | CE | CE | CE |
| | Warranty | 2 years | 2 years | 2 years | 2 years | 2 years |

Indoor Air Quality Range

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| INSAFE+ | |  Smoke detector |  Carbon monoxide detector |  Carbon dioxide detector |  Temperature and humidity Sensor |  Particulate Matter Sensor |
| REFERENCES |  | I870EO | I850EO | I420EO | I880EO | I640EO |
| |  | I870ZB | I850ZB | I420ZB | I880ZB | I640ZB |
| GENERAL INFORMATION | Technology | Photoelectric detector | Electrochemical sensor | Non-dispersive infrared spectrometric (NDIR) sensor | CMOS digital sensor | Laser grain size sensor |
| | Sensors and Measurements | - Smoke - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Carbon monoxide Measuring range: 0 - 1000 PPM - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Carbon dioxide Accuracy: ± (50 ppm + 3% of measuring range) - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Temperature. Resolution: 0.2°C - Humidity. Resolution: 1% RH | - Particulate Matters: PM1, PM2.5, PM10 Detection range: 0.3 - 10µm Measuring range: 0...1000µg/m3 Measuring resolution: 0.1µg/m3 - Temperature. Resolution: 0.1°C - Humidity. Resolution: 1% RH |
| | Indicators | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator | IZIAIR Indoor Air Quality indicator |
| | Transmission frequency | On threshold (from 3 min to 6 h) and as of the appearance of an alarm | On threshold (from 3 min to 6 h) and as of the appearance of an alarm | 10 minutes | 10 minutes | 10 minutes |
| | Indicator lights | 2 operation LEDs orange/red | 3 operation LEDs green/orange/red | 3 instant air quality LEDs green/orange/red | 3 operation LEDs green/orange/red | 3 air quality LEDs green/orange/red |
| | Configuration via NFC interface | No | No | Yes | No | Yes |
| CHARACTERISTICS | Power supply | 2 sealed lithium batteries Battery life: 10 years | 2 sealed lithium batteries Battery life: 10 years | 3 sealed lithium batteries Battery life: up to 10 years | 1 sealed lithium battery Battery life: 10 years | AC power adapter |
| | Push Button | No | No | Yes | Yes | Yes |
| | Conditions of use | Temperature: 4°C to +45°C Relative humidity: from 15% RH to 95% RH | Temperature: -10°C to +40°C Relative humidity: from 15% RH to 95% RH | Temperature: 0°C to +50°C Relative humidity: 0% RH to 95% RH | Temperature: 0°C to +50°C Relative humidity: 0% RH to 95% RH | Temperature: -10°C à + 70°C Relative humidity: de 10% RH à 90% RH |
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| | Case | IP40 | IP40 | IP40 | IP40 | IP20 |
| | Type of mounting | Wall-mounted | Wall-mounted or standalone | Wall-mounted or standalone | Wall-mounted | Standalone |
| | Certification | CE / EN 14604 | CE / EN 50291 | CE | CE | CE |
| | Warranty | 2 years | 2 years | 2 years | 2 years | 2 years |