

PRODUCT CATALOGUE

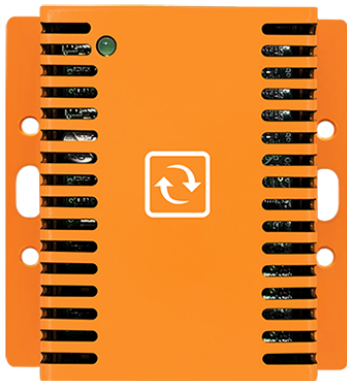


**Simply smart monitoring.
At the edge and beyond.**

March 2024



Introducing our versatile sensor platform, meticulously tailored to cater to the distinct needs of three critical industries:



Data & IT (ServersCheck):

Our journey commenced with ServersCheck—a comprehensive software and hardware solution dedicated to monitoring data & IT infrastructure. Encompassing all products, including refrigerant gas sensors, ServersCheck stands as a holistic offering, ensuring the seamless functionality of IT components.



Industrial & Power:

Expanding our product lineup, the Industrial & Power solution integrates ServersCheck with additional features. This includes thermal imaging and specialized gas sensors for SF6 and O3, providing an extended range of monitoring capabilities. Optimized for industrial applications and mission-critical power systems, this solution reinforces reliability in dynamic settings.



Fire Prevention:

Elevating our commitment to safety, the Fire Prevention solution builds upon the Industrial & Power offering by incorporating all gas sensors. Focused on early detection and prevention, this solution is designed to proactively address fire hazards. Our base units and sensors create a robust defense against potential risks, ensuring a secure environment.

In essence, our sensor platform not only optimizes monitoring for specific industries but also provides nuanced product differentiations to address the unique requirements of each sector.



Base-XX



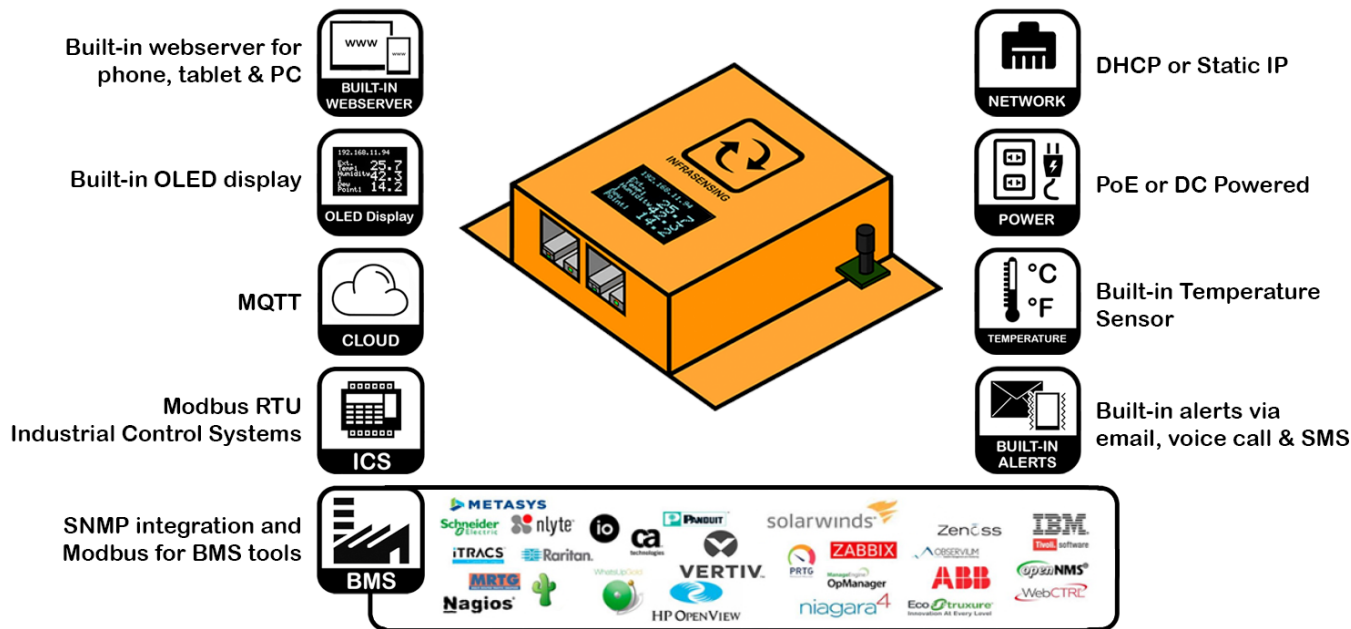
BASE-IT-5



Display:	OLED
Web Server:	HTTP
Built-in Alerting:	Email, voice call or SMS
Protocols:	SNMP v2, v3/Modbus TCP
	Optional MQTT, Modbus RTU
POE:	IEEE 802.3af
Network:	IPv4 at 10/100 Mbps
External Probes:	2 optional probes
Power Adapter:	12V DC

Operating temperature range:	0°C to +75°C (32°F to +167°F)
Humidity (operating & storage):	< 90% rH (non-condensating)

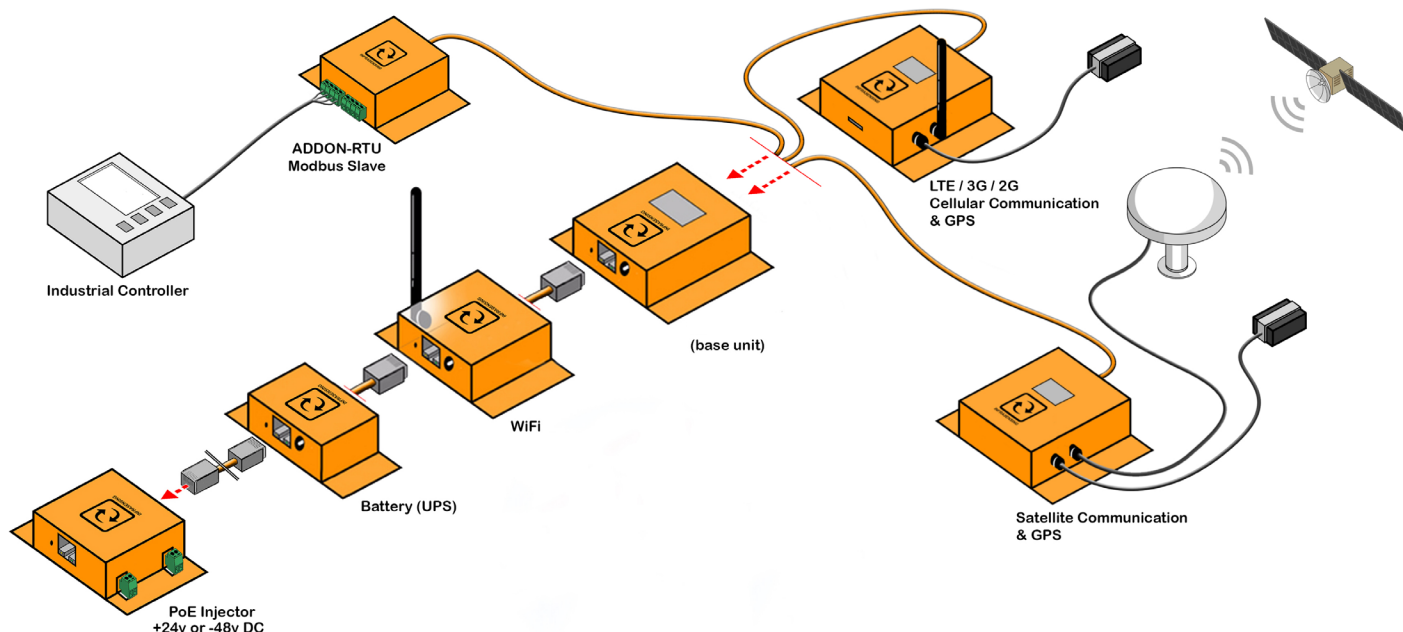
Sensor enclosure:	Steel enclosure, industrial grade
Mounting option:	0U rack, DIN rail, magnetic or wall mountable



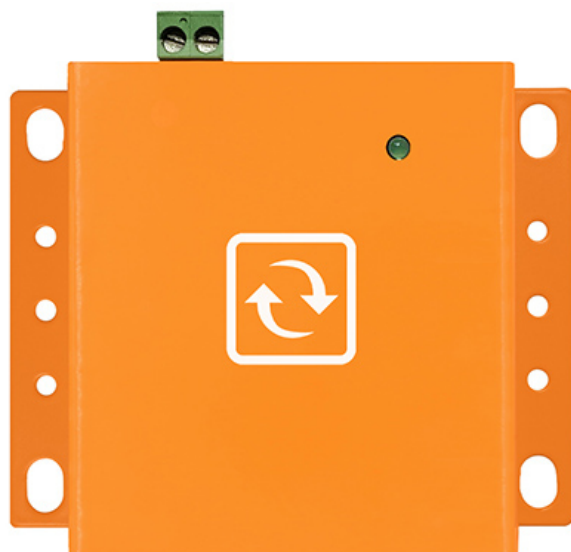


The Base Unit, requires by default a network cable and 12v DC or POE power input with network based alerting.

With the optional add-on modules, customers can add other network and power connectivity options to the base units. The Cellular Alerting & GPS modules enable to receive alerts even when your IP network is down and provides location data.



Industrial PoE+ Injector Add-On



ADDON-POE

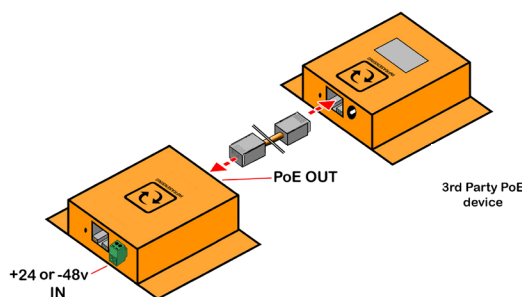


DC +24v input power for industrial applications
DC -48v input power for telecom applications
Provides PoE+ power out (max 22W)

Standards: IEEE PoE 802.3at Class 4 Mode B (PoE+)
Network speed: 10/100 Mbps

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic or wall mountable





Wifi Add-On



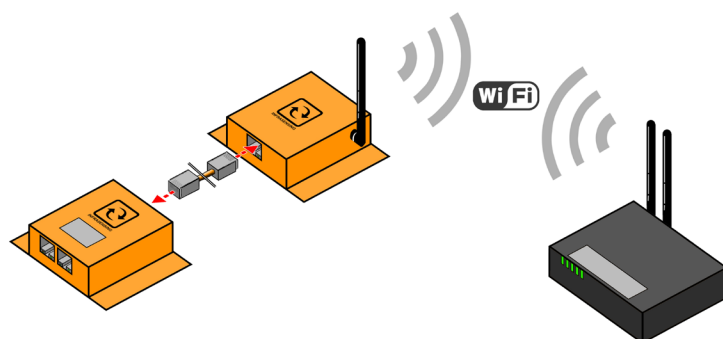
ADDON-WIFI



Wifi frequency: 2.4GHz
Wifi standards: 802.11b/g/n

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic or wall mountable



LTE/3G/2G Cellular Add-On



ADDON-LTE

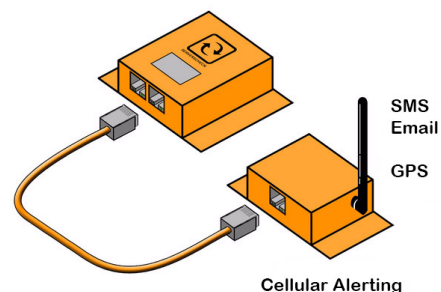


LTE FDD: FDD/B2/B4/B12
Optional positioning: GPS
Wireless module: Quectel wireless module embedded
Carrier approvals: Deutsche Telekom(Europe), AT&T/Sprint/U.S.
Cellular/Telus/Rogers(Canada)

Regulatory approvals:
GCF (Global), CE (Europe), FCC (North America), IC (Canada), Anatel (Brazil),
IFETEL (Mexico), SRRC/CCC/NAL (China), KC (South Korea), NCC (Taiwan, China),
JATE/TELEC (Japan), RCM (Australia & New Zealand), FAC (Russia), NBTC
(Thailand), IMDA (Singapore), ICASA (South Africa)

Operating temperature range: -40°C to +85°C (-40°F to +185°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic or wall mountable



Cellular Alerting



Satellite Add-On



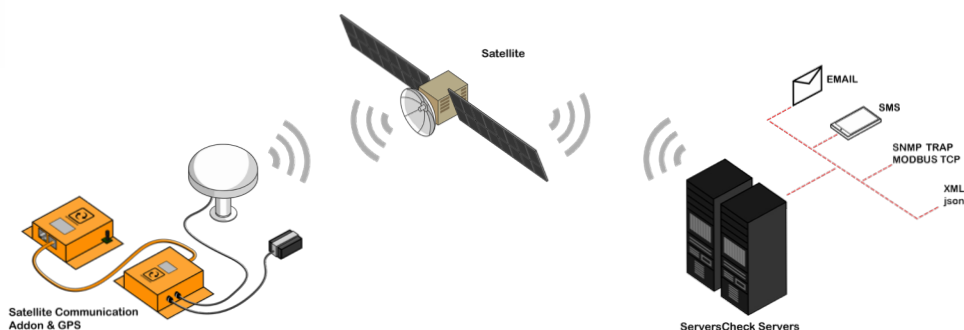
ADDON-SATELLITE



Frequency: 1616 to 1626.5 MHz
Position: GPS, GALILEO
Satellite network: Iridium
Regulatory approval: FCC, CE, IC, RED, ANATEL, AUSTRALIA

Operating temperature range: -40°C to +85°C (-40°F to +185°F)
Operating humidity range: < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic or wall mountable



Satellite Communication Addon & GPS

ServersCheck Servers

Modbus RTU (Slave) Add-On



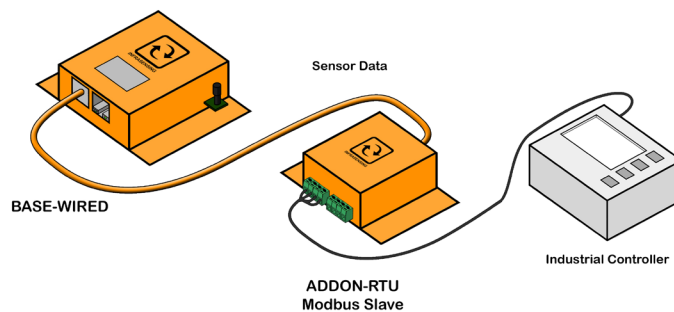
ADDON-RTU



Connected like a sensor, behind the base unit
Surge protection on the RS-485 data line
3000 VDC Isolation protection
Operates as a Modbus RTU Slave
One RS485 bus
1 Device IN and 1 Device OUT terminal block.

Operating temperature range: -40°C to +85°C (-40°F to +185°F)
Operating humidity range: < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic or wall mountable



BASE-WIRED

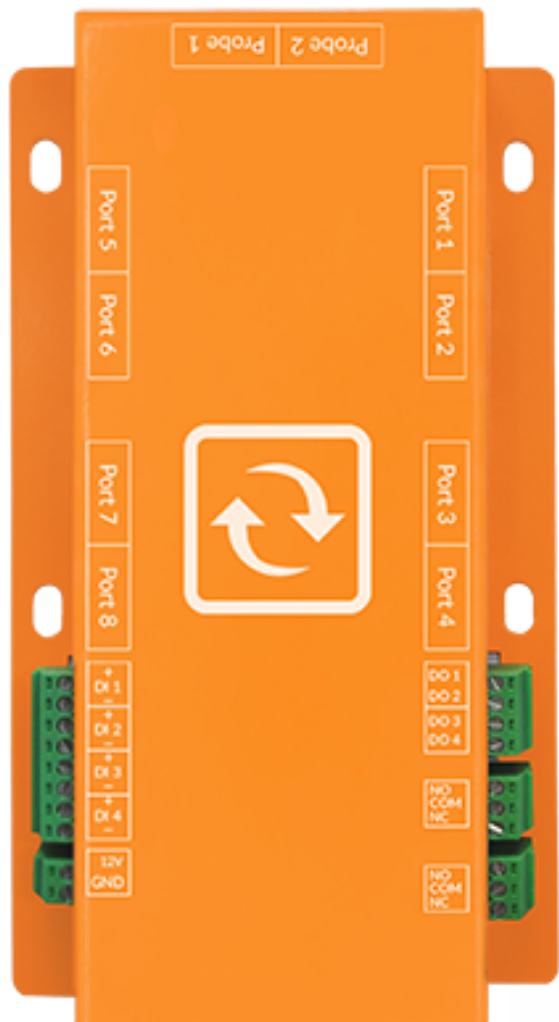
Sensor Data

ADDON-RTU Modbus Slave

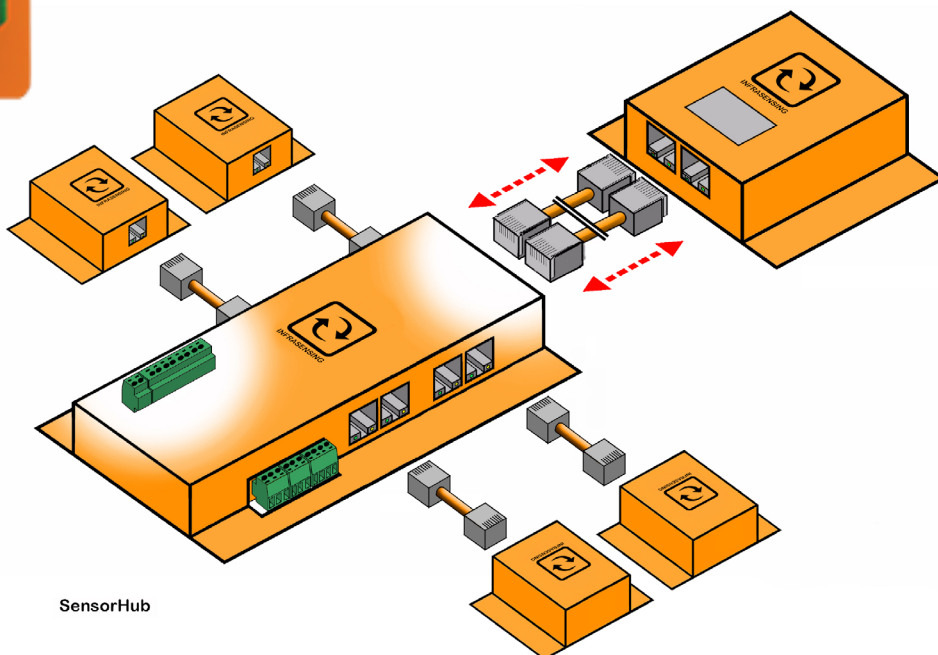
Industrial Controller



EXP-8HUB



Sensor enclosure:	Steel enclosure, industrial grade
Mounting option:	0U rack, DIN rail, magnetic or wall mountable



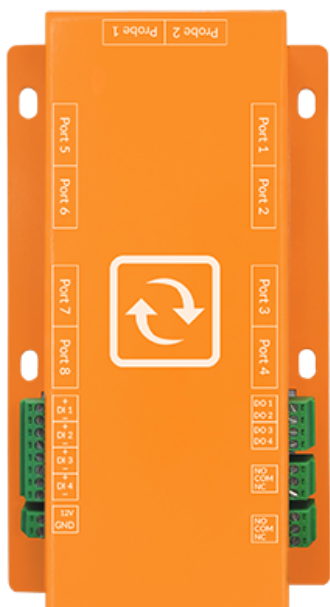


ServersCheck (Data & IT)

ServersCheck by InfraSensing: The Sensor platform for the Data & IT industry

Introducing ServersCheck by InfraSensing, a cutting-edge sensor platform meticulously tailored for the data and IT industry. Born out of a commitment to elevate monitoring solutions, ServersCheck redefines the landscape of data and IT infrastructure management. This comprehensive platform seamlessly integrates both software and hardware, offering a holistic approach to monitor the intricate details and vital components of data and IT environments.

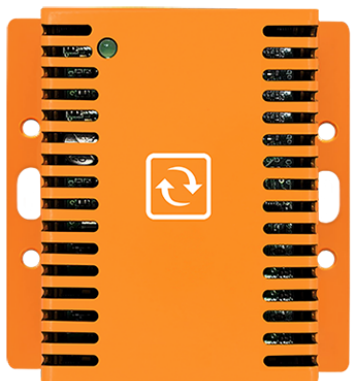
At its core, ServersCheck stands as a beacon of innovation, empowering businesses to ensure the resilience and optimal performance of their critical infrastructure. With a focus on precision, reliability, and adaptability, ServersCheck by InfraSensing emerges as a pivotal solution, meeting the unique challenges and demands of the data and IT industry. As we delve into the realm of monitoring technology, ServersCheck is not just a platform; it's a transformative force shaping the future of data and IT infrastructure management.





Temperature Sensors

Temperature & Humidity Sensor



ENV-THUM

Temperature Resolution: 0.01°C (0.018°F)
Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$) from 0°C to 90°C (32°F to 194°F)
Humidity Resolution: 0.01 % RH
Humidity Accuracy: $\pm 2\%$ RH between 0%RH to 100%RH
Humidity Range: 0 to 100 % RH

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Temperature Sensor



ENV-TEMP

Temperature Resolution: 0.01°C (0.018°F)
Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$) from 0°C to 90°C (32°F to 194°F)
Temperature Reading: -40°C to 125°C (-40°F to 257°F)

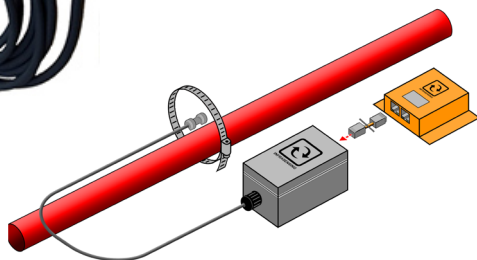
Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity operating and storage: < 90% rH (non-condensating)

Industrial Surface Temperature Sensor



ENV-TSURFACE

Temperature resolution: 0.1°C (0.18)°F precision
Temperature accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) accuracy in the range -10°C to +85 °C (14°F to 185°F) / $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) for other ranges
Temperature reading: -55°C to +125°C (-67°F to +257°F)
Operating temperature range: 0°C to +75°C (32°F to +167°F)

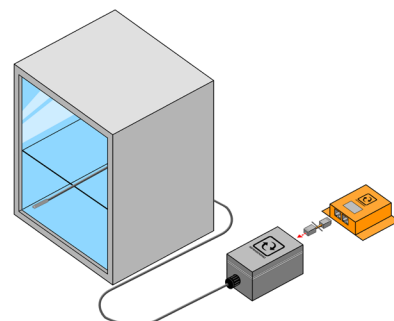


Steel Temperature Sensor



ENV-TSTAIN

Temperature resolution: 0.1°C (0.18)°F precision
Temperature accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) accuracy in the range -10°C to +85 °C (14°F to 185°F) / $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) for other ranges
Temperature reading: -55°C to +125°C (-67°F to +257°F)
Operating temperature range: 4°C to 65°C (39 °F to 148 °F)
Humidity (operating and storage): < 90% rH (non-condensating)





Temperature Sensors

Ultra Low Temperature Sensor



ENV-TULTRA



Temperature resolution: $\pm 0.1^{\circ}\text{C}$ (0.18 $^{\circ}\text{F}$)
Temperature accuracy: $\pm 1^{\circ}\text{C}$ (1.8 $^{\circ}\text{F}$)
Temperature reading:
-50 $^{\circ}\text{C}$ to +260 $^{\circ}\text{C}$ (-58 $^{\circ}\text{F}$ to +500 $^{\circ}\text{F}$)

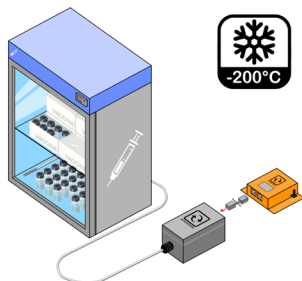
Operating temperature range for stainless steel sensor head and cable:

-200 $^{\circ}\text{C}$ to 75 $^{\circ}\text{C}$ (-328 $^{\circ}\text{F}$ to 167 $^{\circ}\text{F}$)

Operating temperature range for IP66 sensor box:

4 $^{\circ}\text{C}$ to 65 $^{\circ}\text{C}$ (39 $^{\circ}\text{F}$ to 148 $^{\circ}\text{F}$)

Humidity (operating and storage):
< 90% rH (non-condensating)



Magnetic Temperature Sensor



ENV-TEMP-MAGNET



Temperature Precision: $\pm 0.1^{\circ}\text{C}$ (0.18 $^{\circ}\text{F}$)
Temperature Accuracy: $\pm 0.25\%$
Temperature Range: -50 $^{\circ}\text{C}$ to 200 $^{\circ}\text{C}$ (-58 $^{\circ}\text{F}$ to 392 $^{\circ}\text{F}$)

Operating temperature range:

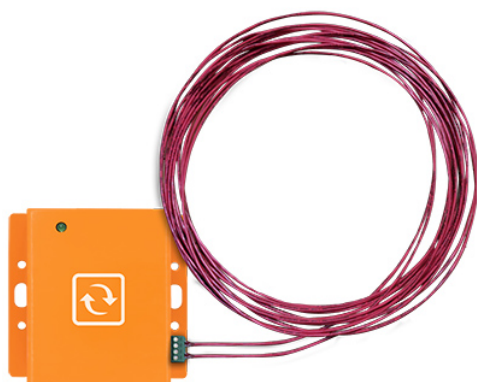
0 $^{\circ}\text{C}$ to +75 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to +167 $^{\circ}\text{F}$)

Humidity (operating and storage):

< 90% rH (non-condensating)

*Optional daisy chain version can have up to 20 sensors per Base Unit within 100m/330ft of total length Longer distances possible with optional DAISY-BOOSTER

Linear heat Detection Sensor



ENV-LHD



Temperature Precision: $\pm 0.1^{\circ}\text{C}$ (0.18 $^{\circ}\text{F}$)
Temperature Accuracy: $\pm 0.25\%$
Temperature Range: -50 $^{\circ}\text{C}$ to 200 $^{\circ}\text{C}$ (-58 $^{\circ}\text{F}$ to 392 $^{\circ}\text{F}$)

Operating temperature range:

0 $^{\circ}\text{C}$ to +75 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to +167 $^{\circ}\text{F}$)

Humidity (operating and storage):

< 90% rH (non-condensating)

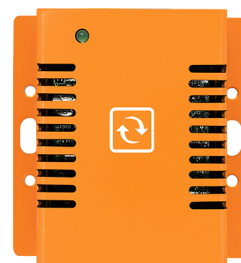


Daisy Chain Sensors

Daisy Chain Temperature (Humidity) Sensor



DAISY STARTER 



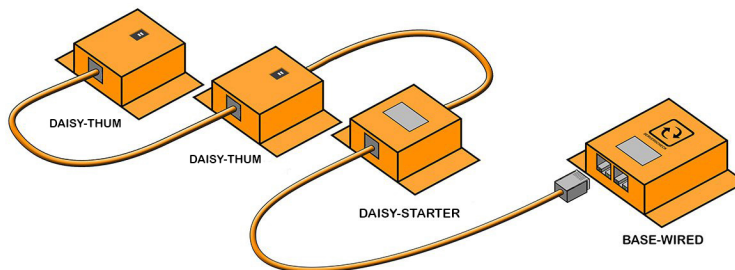
DAISY-TEMP 
DAISY-THUM 

Temperature Resolution: 0.01°C (0.018°F)
Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$) from 0°C to 90°C (32°F to 194°F)
Temperature Reading: -40°C to 125°C (-40°F to 257°F)
Reading unit: in Celsius or Fahrenheit

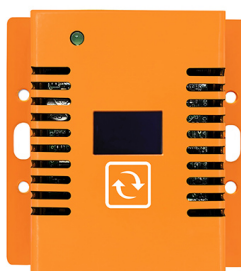
Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 68 mm (2.68") x 72 mm (2.83") x 28 mm (1.10")
Weight: 120g (0.26lbs)

Maximum length of daisy chain: Up to 15 sensors per base unit within 100m/330ft of total length
Longer distances possible with optional DAISY-BOOSTER



Daisy Chain Infrared Spot Temperature Sensor



DAISY STARTER 



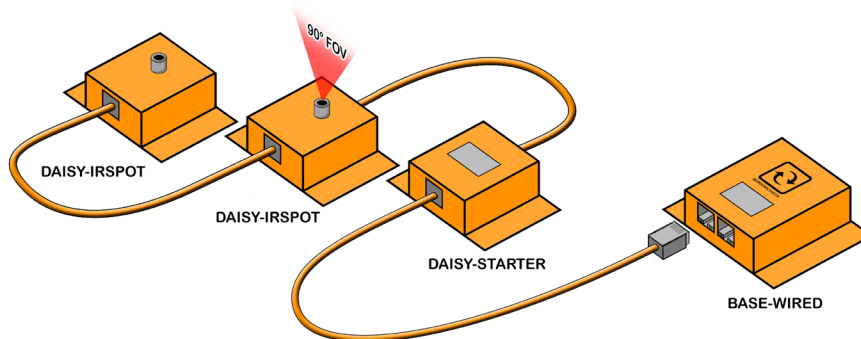
DAISY-THIMG-IR- 

Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) accuracy from 0°C-50°C (32°F to 122°F)
Field of View (FoV): 5°, 12°, 35°
Resolution: 0.02 °C / 0.036°F
Temperature Reading: -70°C to +380°C (-94°F to +716°F) in PoE mode
Reading unit: in Celsius or Fahrenheit

Operating temperature range: 0°C to +75°C (32°F to 167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 72.26mm (2.84") x 67.66mm (2.66") x 23.81mm (0.94")
Weight: 114.9g (0.253 lbs.)

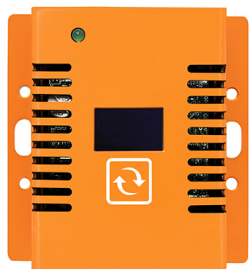
Maximum length of THIMG-IRSPOT daisy chain: Up to 15 sensors per base unit within 100m/330ft cable length
Longer distances possible with optional DAISY-BOOSTER





Daisy Chain Sensors

Daisy Chain Temperature Magnet Sensor



DAISY STARTER



DAISY-TEMP-MAGNET

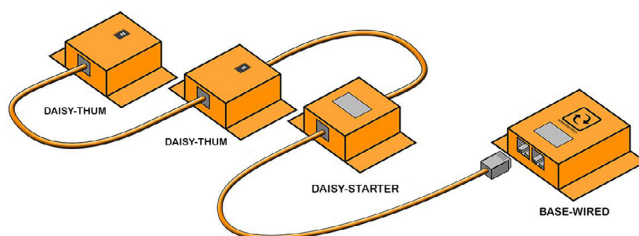


Temperature precision: $\pm 0.1^{\circ}\text{C}$ (0.18°F)
Temperature accuracy: $\pm 0.25\%$
Temperature range: -50°C to 200°C (-58°F to 392°F)

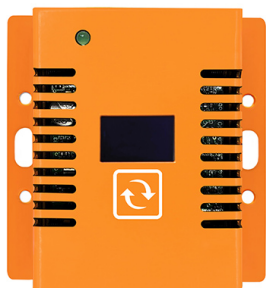
Operation temperature range: 0°C to $+75^{\circ}\text{C}$ (32°F to $+167^{\circ}\text{F}$)
Operating humidity range: $< 90\%$ rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 74mm ($2.9"$) \times 67.5mm ($2.7"$) \times 24mm ($0.9"$)
Weight: 120g (0.26lbs)

Maximum length of daisy chain: Up to 20 sensors per base unit within 100m/330ft of total length Longer distances possible with optional DAISY-BOOSTER



ISO17025 Calibrated Cylindrical Daisy Chained Temperature & Humidity Sensor



DAISY STARTER



DAISY-THUM-C



Temperature resolution: 0.02°C (32.04°F)
Temperature accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) from 0°C to 50°C (32°F to 122°F)
Temperature reading: -55°C to $+125^{\circ}\text{C}$ (-67°F to $+257^{\circ}\text{F}$)
Relative humidity range: 0 to 100 % RH
Relative humidity resolution or precision: 0.01%RH
Relative humidity accuracy: $\pm 2\%$ RH between 0%RH to 100%RH

Operation temperature range: 0°C to $+75^{\circ}\text{C}$ (32°F to $+167^{\circ}\text{F}$)
Operating humidity range: $< 90\%$ rH (non-condensating)

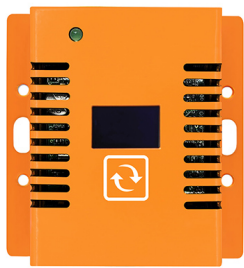
Sensor enclosure: Plastic material enclosure
Optionally available in aluminum enclosure
Mounting option: Secure mounting with bolt and nut mechanism
Can be mounted using two M24 nut
Dimensions: L: 51.8mm ($2.04"$) W: 24mm ($0.94"$) \varnothing : 24
Weight: 32.9g (0.071lbs)

Maximum length of daisy chain: Up to 15 sensors per base unit within 100m/330ft of total length
Longer distances possible with optional DAISY-BOOSTER



Daisy Chain Sensors

Daisy Chain Booster



DAISY STARTER



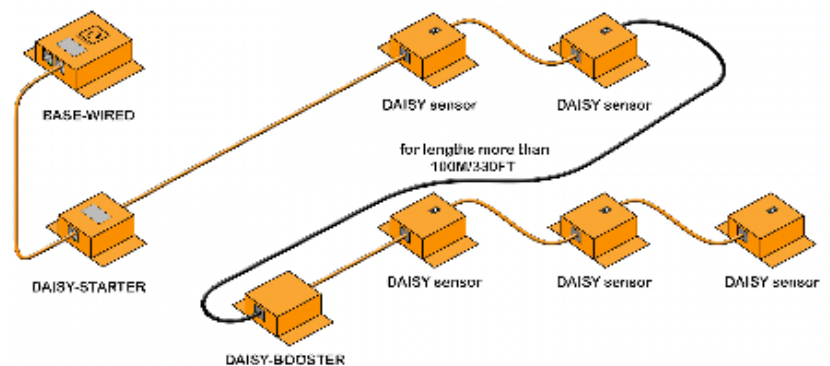
Power Source: Daisy Chain Sensor
Power Usage: 300mW
Voltage output: 12V

Operating temperature range: 0°C to +85°C (32°F to +185°F)
Humidity (operating and storage): < 90% RH (non-condensing)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 72.25mm (2.84") x 67.13mm (2.64") x 22.56mm (0.89")
Weight: 108g (0.24lbs)

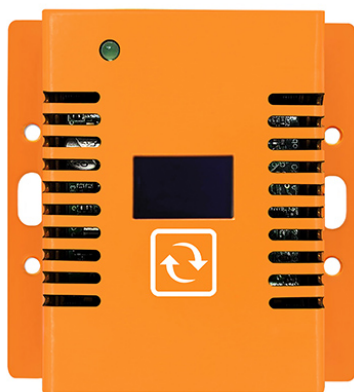


DAISY-BOOSTER



Daisy Chain Starter

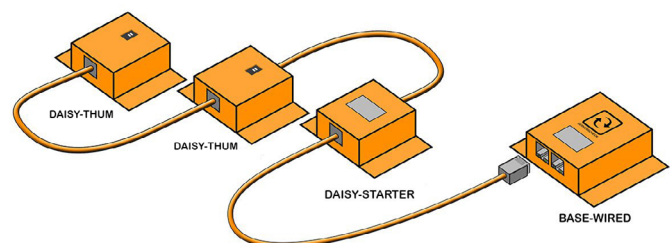
DAISY STARTER



Power Source: Base Unit (BASE-XX), power adapter 12V 2A is required when connecting more than 10 daisy chain sensors
Power Usage: 288mW

Operating temperature range: 0°C to +75°C (+167°F)
Humidity (operating and storage): < 90% RH (non-condensing)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 73.28mm (2.89") x 67.77mm (2.67") x 23.14mm (0.91")
Weight: 110.0g (0.242 lbs.)





Environmental Sensors

Digital sound & noise level (dbA) sensor



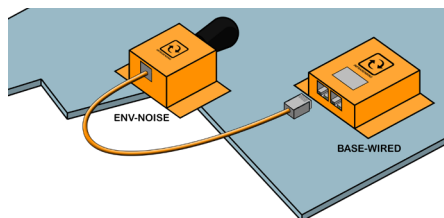
ENV-NOISE



Sensor Accuracy: ± 0.5 dB
Sound (dB) Resolution: 0.1 dB precision
Sensor Range: 30-120dB

Operating and storage temperature range:
0°C to +50°C (32°F to +167°F)
Relative humidity (operating and storage):
< 80% rH

Sensor enclosure:
Steel enclosure, industrial grade
Mounting option:
0U rack, DIN rail, magnetic, or
wall mountable sensor



Digital Airflow Sensor



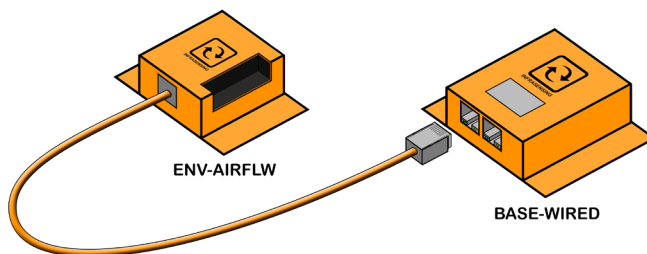
ENV-AIRFLW



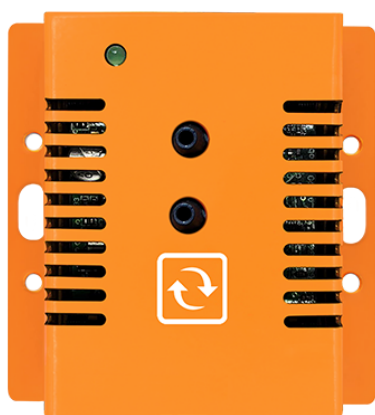
Accuracy: $\pm 10\%$ FS
Air mass flow range: 0 m/s to 3 m/s
Flow polling rate: minimum of 1 second

Operating temperature range:
-10°C to +65°C (14°F to +149°F) in PoE mode
Relative humidity (operating and storage):
< 90% rH (non-condensating)

Sensor enclosure:
Steel enclosure, industrial grade
Mounting option:
0U rack, DIN rail, magnetic, or
wall mountable sensor



Differential Air Pressure Sensor



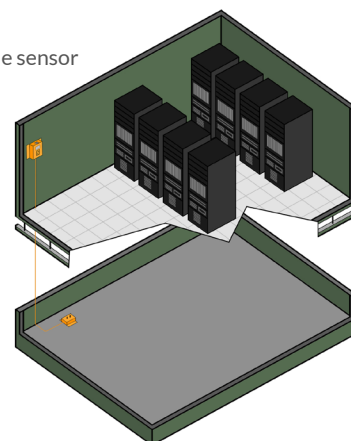
ENV-AIRPRESSURE



Pressure accuracy: 0.1 Pa
Pressure range: -500 to + 500 Pa
Flow polling rate: minimum of 1 second
Temperature range: -40°C to +85°C (-40°F to +185°F)
Temperature repeatability: ± 0.1 °C
Temperature accuracy: ± 3 °C (5.4°F)

Operating temperature range: -10°C to +65°C (14°F to +149°F) in PoE mode
Humidity (operating and storage): < 90% RH (non-condensating)

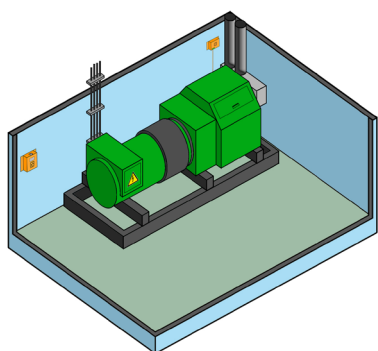
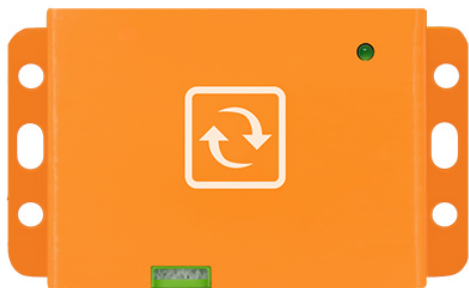
Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 76 mm (3") x 68 mm (2.7") x 23 mm (0.9")
Weight: 110g (0.234lbs)





Environmental Sensors

Particle Matter Sensor



ENV-PARTICLE



Mass concentration range: 0 – 1000 $\mu\text{g}/\text{m}^3$
Particle detection size range: Mass concentration: PM1.0, PM2.5, PM4 and PM10
Number concentration: PM0.5, PM1.0, PM2.5, PM4 and PM10
Mass concentration resolution: 1 $\mu\text{g}/\text{m}^3$
Mass concentration precision: PM1 and PM2.5: $\pm 10 \mu\text{g}/\text{m}^3$ @ 0 to 100 $\mu\text{g}/\text{m}^3$ $\pm 10\%$ @ 100 to 1000 $\mu\text{g}/\text{m}^3$
PM4 and PM10: $\pm 25 \mu\text{g}/\text{m}^3$ @ 0 to 100 $\mu\text{g}/\text{m}^3$ $\pm 25\%$ @ 100 to 1000 $\mu\text{g}/\text{m}^3$
Maximum long-term mass concentration precision limit drift:
 $\pm 1.25 \mu\text{g}/\text{m}^3$ @ 0 to 100 $\mu\text{g}/\text{m}^3$
 $\pm 1.25\%$ @ 100 to 1000 $\mu\text{g}/\text{m}^3$
Lower limit detection: 0.3 μm
Lifespan: 10 years operating continuously 24hrs/day
Acoustic emission level: 25dB(A) @ 0.2m
Long term acoustic emission level drift: +0.5dB(A)/year @ 0.2m
Sampling interval: 1 \pm 0.04s
Operating temperature range: -10°C to +65°C (14°F to +149°F) in PoE mode
Storage temperature range: -40°C to 70°C (-40°F to 158°F)
Humidity (operating and storage): < 90% RH (non-condensating)
Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 91.6 mm (3.6") x 71.7mm (2.8") x 33.6mm (1.32")
Weight: 170g (0.38 lbs.)

Atmospheric Corrosion (ACM) Sensor



ENV-CORROSION



Silver corrosion: A Angstrom
Copper corrosion: A Angstrom
Design standard: ANSI/ISA 71.04-2013
Operating temperature range: 0°C to +75°C (+167°F)
Humidity (operating and storage): < 90% rH (non-condensating)
Sensor housing: Plastic industrial grade enclosure
Mounting option: 0U rack, DIN rail, or wall mountable

Optical Dust Particle Sensor

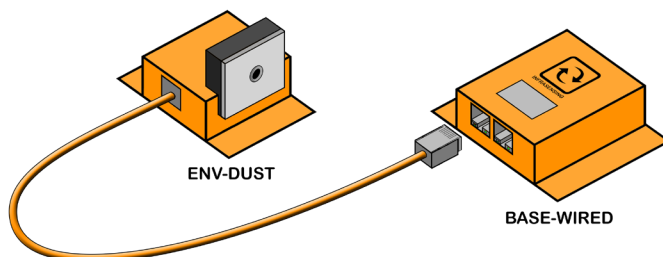
ENV-DUST



Range: 0 – 600 $\mu\text{g}/\text{m}^3$
Particle Size: PM2.5 and PM10
Sensitivity: 100 $\mu\text{g}/\text{m}^3$

Operating temperature range: 0°C to +75°C (32°F to +167°F) in PoE mode
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor enclosure: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions: 76 mm (3") x 68 mm (2.7") x 23 mm (0.9")
Weight: 140g (0.31lbs)





Liquid Leak Sensors

Optical Oil Leak Sensor

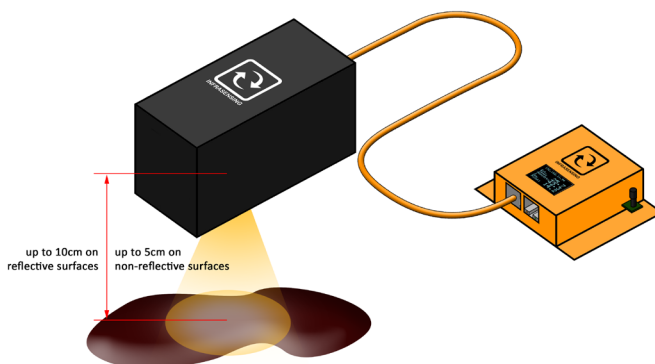
ENV-LEAK-OPTICAL



Data output: Provides a WET/DRY indication in Base Unit
Maximum height from surface: 10 cm
Detection time: 3 seconds

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): <90% rH (non-condensating)

Sensor enclosure: Black plastic IP65 rated enclosure
Mounting option: Wall, floor or ceiling mount
Dimensions: 146 mm (5.7") x 63 mm (2.5") x 60.89 mm (2.4")
Weight: 570g (1.26 lbs)



Fuel Leak Detection Sensor

ENV-FLEAK-COMBO



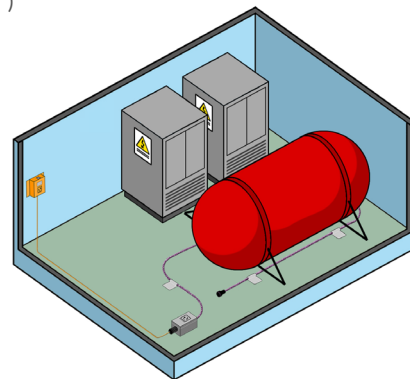
Fuel type/response time at 20°C (68 0°C): #1 diesel fuel (60 minutes) JP5 jet fuel (70 minutes)
#2 diesel fuel (120 minutes) JP8 jet fuel (50 minutes)
Gasoline (12 minutes) Jet-A jet fuel (50 minutes)

Cable breaking strength (including connectors) : 22700g (50 lb)
Data Output: Provides a WET/DRY indication in Base Unit

Operating temperature range: 0°C to +75°C (32°F to +167°F)

Sensor enclosure: IP68
Sensor cable: Expandable up to 30m/100ft per sensor
Mounting option: Wall, floor or ceiling mount
Dimensions: 65 mm (2.5") x 95 mm (3.74") x 55 mm (2.16")

Fuel Type	Typical response time at 20°C (68°F)
#1 diesel fuel	60 minutes
#2 diesel fuel	120 minutes
Gasoline	12 minutes
JP5 jet fuel	70 minutes
JP8 jet fuel	50 minutes
Jet-A jet fuel	50 minutes





Liquid Leak Sensors

Industrial Water leak Location Sensor



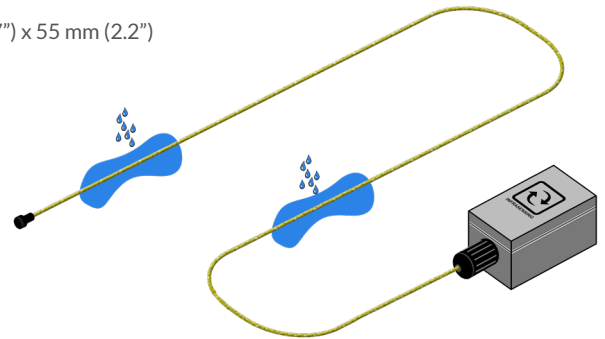
ENV-WLEAK-LOC-COMBO5



Water detection trigger: 120 seconds
Drying time: Cable dries and resets within 15 seconds of removal from standing water
Standard cleaning method: Wipe with clean damp cloth
Cable breaking strength (including connectors): 70lbs/32kg
Data output: Provides a WET/DRY indication in Base Unit

Operating temperature range: 0°C to + 75°C (32°F to +167°F)

Sensor housing: IP 66
Sensor cable: Expandable up to 50m/164ft per sensor
Mounting option: Wall, floor or ceiling mount
Dimensions: 128 mm (5.03") x 78 mm (3.07") x 55 mm (2.2")
Weight: 570g (01.26 lbs.)



Water Leak Sensing

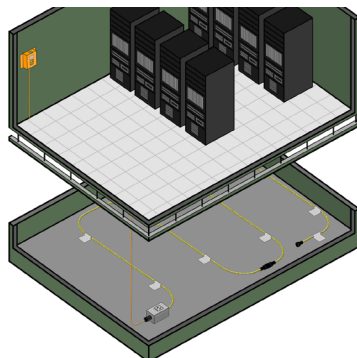


ENV-WLEAK-COMBO-5M



Water detection trigger: 1-2 seconds
Drying time: Cable dries and resets within 15 seconds of removal from standing water
Standard cleaning method: Wipe with clean damp cloth
Cable breaking strength (including connectors): 70lbs/32kg
Data output: Provides a WET/DRY indication in Base Unit

Operating temperature range: 0°C to + 75°C (32°F to +167°F)



Water Spot Sensor



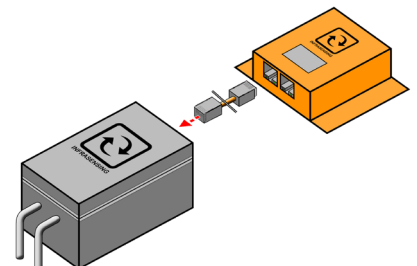
ENV-WSPOT



Trigger: 2 metal rods must make contact with water to trigger sensor
Standard cleaning method: Wipe with clean damp cloth
Data output: Provides a WET/DRY indication in Base Unit

Operating temperature range:

Sensor housing: IP 66
Mounting option: Wall, floor or ceiling mount
Dimensions: 65 mm (2.5") x 95 mm (3.74") x 55 mm (2.16").
Weight: 236g (0.52 lbs)





Gas Sensors

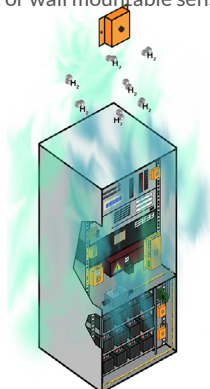
Refrigerant A1 (R-404a, R-22, R-410a) Gas Sensor

GAS-A1



Measurement range: 0-10000 ppm
Accuracy: R404A $\pm 5\%$ of reading; R22 $\pm 5\%$ of reading;
R410A $\pm 5\%$ of reading
Response time (T90): R-404A - 60 sec.; R-22 - 40 sec.;
R-410A - 50 sec.
Warm up time: 24 hours
Operating temperature range: 0°C to $+70^{\circ}\text{C}$ (32°F to $+158^{\circ}\text{F}$)
Humidity (operating and storage): $< 90\%$ rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Refrigerant A2L (R-32, R1234yf, R1234ze, R-454) Gas Sensor

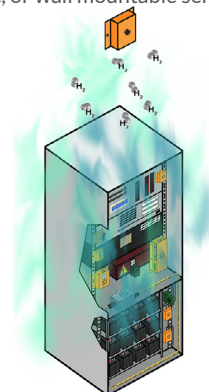
GAS-A2L



Measurement range: 0-10000 ppm
Accuracy: R-32 $\pm 5\%$ of reading R-1234YF $\pm 5\%$ of reading
R-1234ZE $\pm 5\%$ of reading R-454B $\pm 5\%$ of reading
Warm up time: 60s

Operating temperature range: 0°C to $+70^{\circ}\text{C}$ (32°F to $+158^{\circ}\text{F}$)
Humidity (operating and storage): $< 90\%$ rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



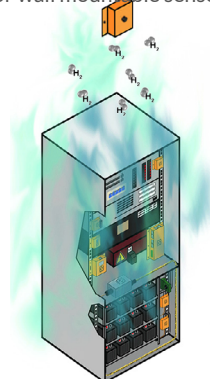
Refrigerant A3 (R290) Gas Sensor

GAS-A3



Measurement range: 0-10000 ppm
Accuracy: R-290 $\pm 5\%$ of reading
Response time (T90): 50s
Warm up time: 24 hours
Operating temperature range: 0°C to $+70^{\circ}\text{C}$ (32°F to $+158^{\circ}\text{F}$)
Humidity (operating and storage): $< 90\%$ rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Refrigerant R-134A Gas Sensor

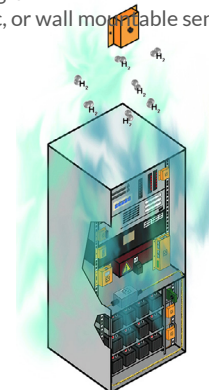
GAS-R-134a



Measurement range: 0-2000 ppm
Accuracy: $\pm 1\%$ for readings below 25% of range
 $\pm 2\%$ for readings below 50% of range
 $\pm 5\%$ for readings above 50% of range
Response time (T90): 30s
Warm up time: 5min

Operating temperature range: 0°C to $+70^{\circ}\text{C}$ (32°F to $+158^{\circ}\text{F}$)
Humidity (operating and storage): $< 90\%$ rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor





Power Monitoring Sensors

AC Power Failure Sensor



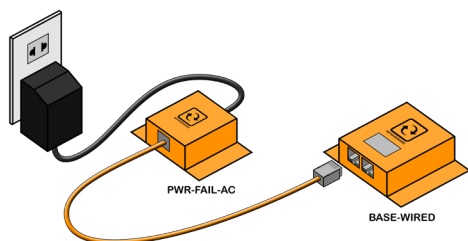
PWR-AC-FAIL



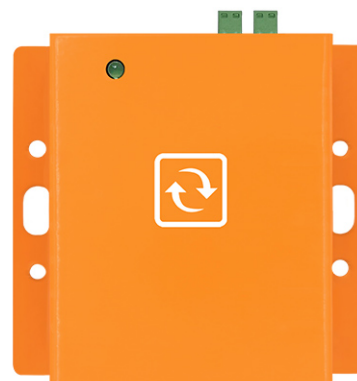
Power adapter style:
EU, UK or US
Power adapter specs:
Input : Autoswitching
90-240 VAC/47-63 Hz
Output: 9 VDC, 1.5 A, 2m
cord terminated with 2.1mm (center
positive) plug

Operating temperature range:
0°C to +40°C (32°F to 104°F)

Humidity (operating and storage):
5-95% rH (non-condensating)



DC Voltage Sensor (12-80v)



PWR-DC-VOLT



Voltage: 12-80V DC
Polarity: Dual polarity, up to 3kV protection
Voltage channel: Up to 2 channels

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

AC Power Quality Sensor



PWR-AC-QUAL



Voltage:
Detects: 100-240V AC Single Phase
short and long power failures or
interruptions voltage swells, spikes or
over-voltage voltage sags, dips or under-
voltage harmonic voltage distortions (THD)
frequency fluctuations

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Operating Humidity Range: < 90% rH (non-condensating)

AC Current Sensor



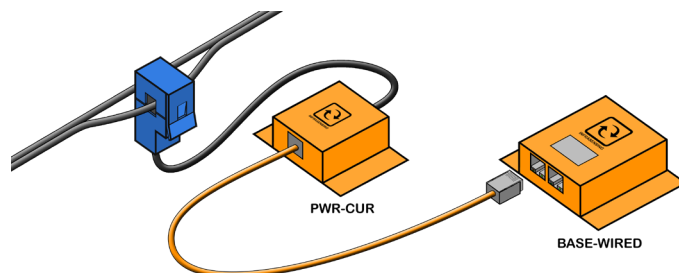
PWR-AC-CUR



Input Current: 0-100A
Non-linearity: +/-3%
Resistance Grade: B
Readings in: A (Ampere)

Operating temperature range:
-25°C to +70°C (-13°F to +158°F)

Humidity (operating and storage):
< 90% rH (non-condensating)





Power Monitoring Sensors

DC Power Failure Sensor



PWR-DC-FAIL

Provides a ON/OFF indication in Base Unit

Power Usage: 216mW

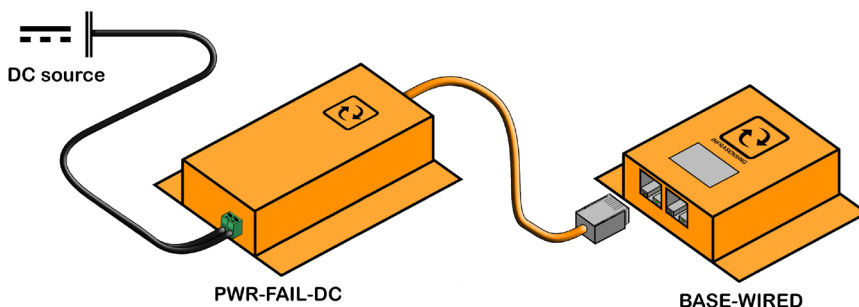
DC Voltage range: 0-50V

Operating temperature range:

-40°C to +75°C (40°F to +167°F)

Humidity (operating and storage):

< 90% rH (non-condensating)



Ultrasonic Fuel Level Sensor



PWR-FUEL

Measurement method:

Acoustic sonic measurement

Tank depth:

0-2000 mm (6.5 ft)

Accuracy distance:

0-2000 mm (6.5 ft) at 2 mm accuracy

Chemical resistance:

Petrol, diesel

Operating temperature range:

4°C to 65°C (39°F to 148°F)

Humidity (operating and storage):

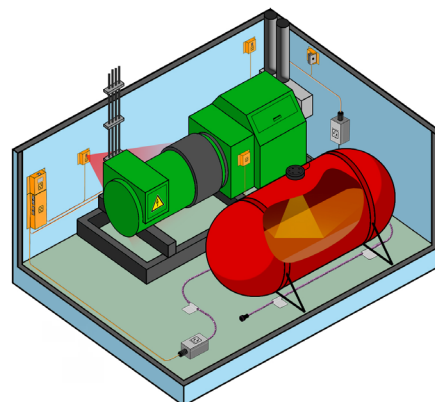
< 90% rH (non-condensating)

Tank type style:

Metal and plastic with non linear capacity

Sensor housing material:

IP 65 plastic housing





Power Monitoring Sensors

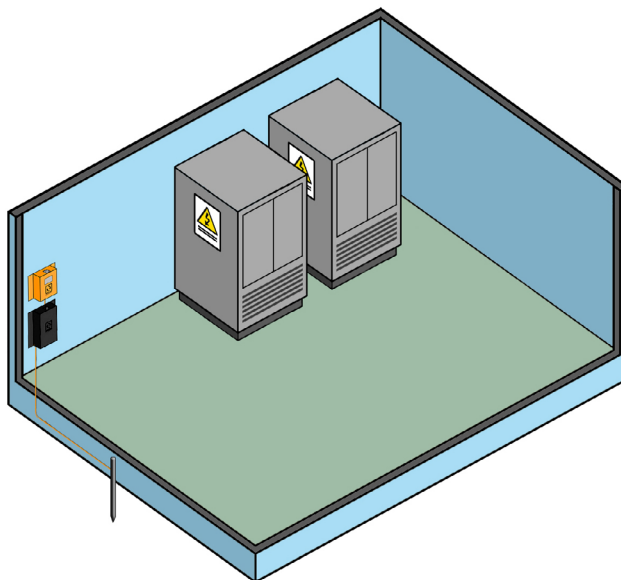
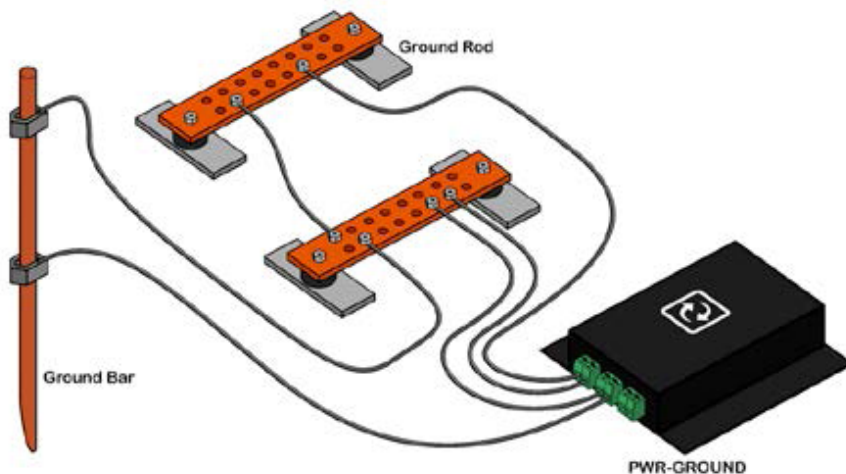
Ground Monitoring

PWR-GROUND



Range: 0 to 5000 Ohms
Injected current: 0.7 mA
Ground metering points: 3 different ground terminals
IO isolation: 1000 V AC
Used voltage: 3.0 V

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

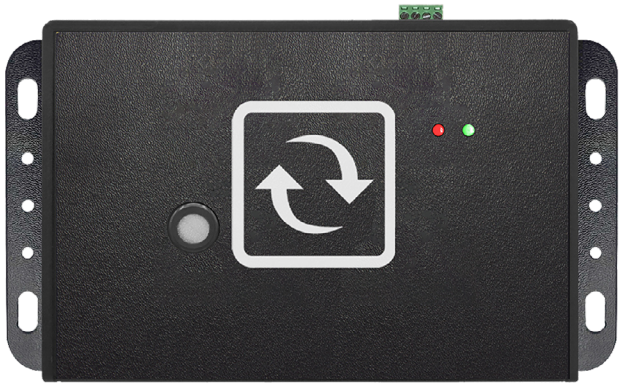




Battery Monitoring System

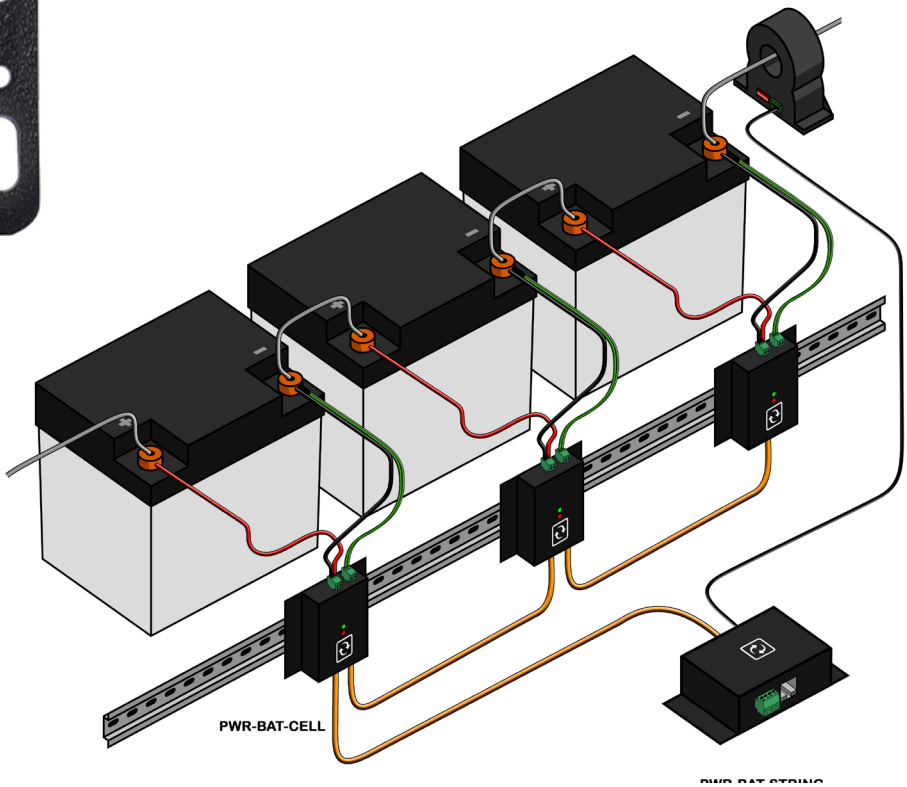
PWR-BAT-STRING [↗](#)

PWR-BAT-CELL [↗](#)



Optional version	PWR-BAT-STRING-485 (with RS485 support)		
PWR-BAT-STRING	Measurement Range	Accuracy	Resolution
Total string current	0-300A	± 0.5%	0.07A
PWR-BAT-CELL	Measurement Range	Accuracy	Resolution
Terminal voltage	1-65V	± 0.5%	2%
Battery temperature	-55~+125°C / -67 ~+257 °F	± 0.5°C / 0.9 °F	0.1°C / .18 °F

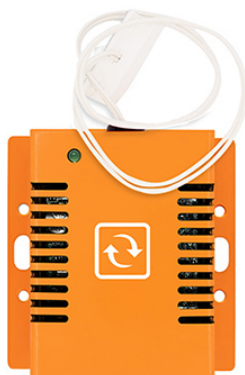
Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)





Security Sensors

Door Contact Sensor

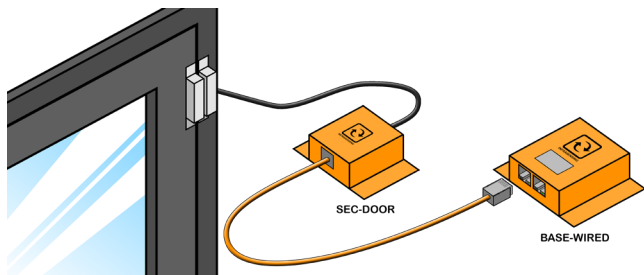


SEC-DOOR

Magnetic door contact sensor with self-adhesive or screw mount
Returns OPEN or CLOSE state
0.15" (0.4m) cable from door contact to probe

Operating temperature range:
0°C to +75°C (32°F to +167°F)

Humidity (operating and storage):
< 90% rH (non-condensating)



Light (Lux) Sensor

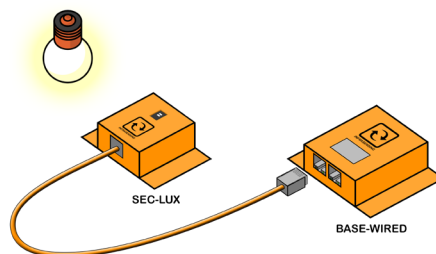


SEC-LUX

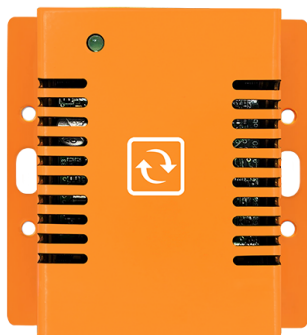
Unit: LUX(lx)
Range: 0 to 65000 lx
Resolution: 1 lux

Operating temperature range:
0°C to +75°C (32°F to +167°F)

Humidity (operating and storage):
< 90% rH (non-condensating)



Digital Shock / Vibration Sensor

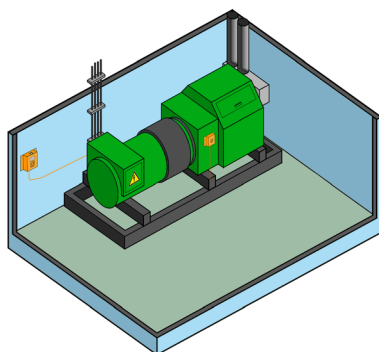


SEC-SHOCK

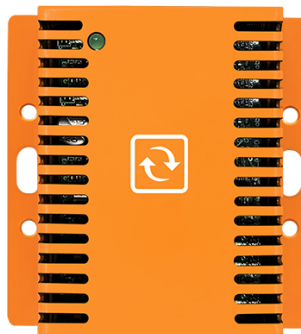
Vibration unit: $\pm 2g$
Sensor sensitivity: 0.18g

Operating temperature range:
0°C to +75°C (32°F to +167°F)

Humidity (operating and storage):
< 90% rH (non-condensating)



Tilt Sensor

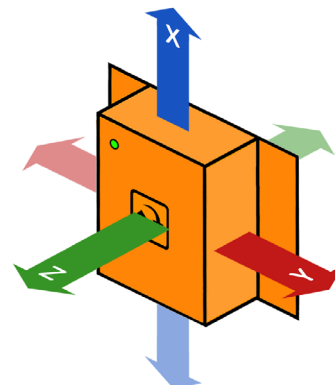


SEC-TILT

Axes displayed by sensor: X, Y, and Z
Maximum measurement of tilt: $\pm 180^\circ$

Operating temperature range:
0°C to +75°C (32°F to +167°F)

Humidity (operating and storage):
< 90% rH (non-condensating)





Security Sensors

Smoke Sensor



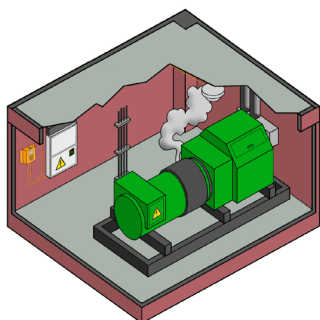
SEC-SMOKE



Photoelectric smoke detection
Built-in Drift Compensation Reduces False Alarms; Self-diagnostics Meets NFPA 72 Sensitivity Testing Requirements without the Need for External Meters

Operating temperature range:
0°C - 37°C (32°F - 100°F)

Humidity (operating and storage):
< 95% rH (non-condensating)



Motion Sensor



SEC-MOTION



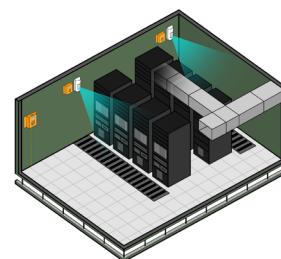
Radiated RF immunity:
20 V/m with 80% AM over range,
27MHz to 1.0GHz

Conducted RF immunity:
10V with 80% AM over range
150kHz to 80MHz

Static immunity: 15 kV
Transient immunity: 2.4 kV @ 1.2 joules

Operating temperature range:
0°C - 37°C (32°F - 100°F)

Humidity (operating and storage):
< 95% rH (non-condensating)



Security Sound & Noise Sensor



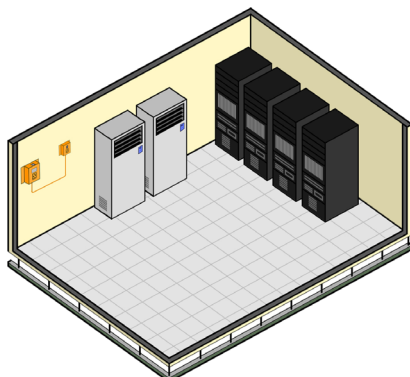
SEC-SOUND



Sensor Accuracy: ± 1 db
Sound (dB) resolution: 1 db precision
Sensor range: from 10db to 90db

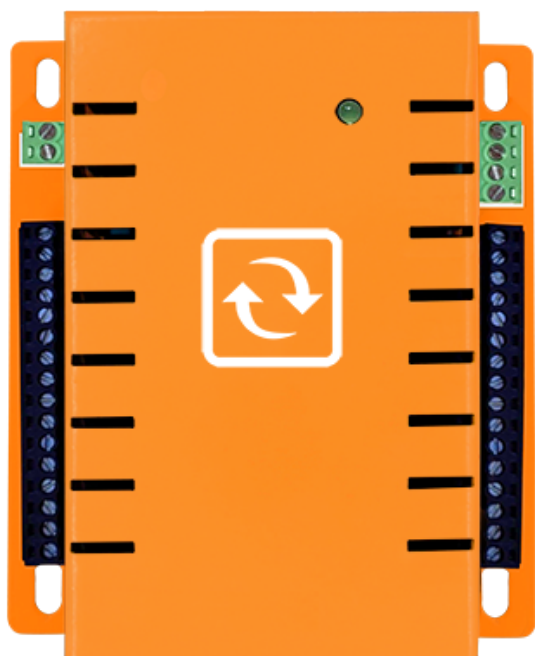
Operating temperature range:
0°C to +75°C (32°F to +167°F)

Humidity (operating and storage):
< 90% rH (non-condensating)





IO - Dry Contact Sensor

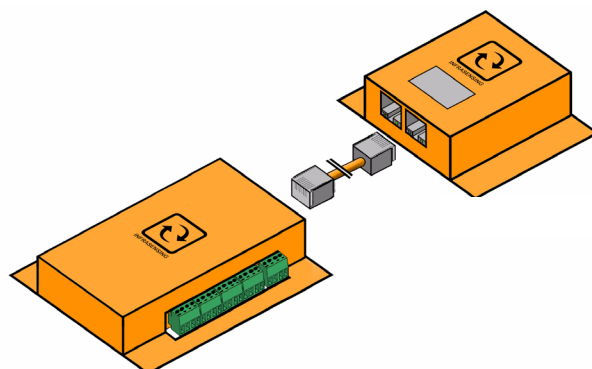


IND-IO

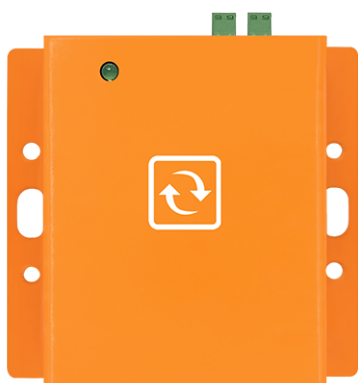


Dry contact inputs: 16
Dry contact outputs: 4
Power output: 12 VDC power out to power attached devices (for example smoke, motion, door sensors) - max 700mA
Contact polling rate: min 1 second

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)



Industrial 0-10V



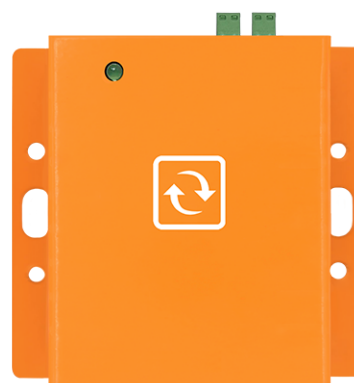
IND-0-10V



Sensor accuracy: $\pm 1\%$
Auxillary power supply: 12VDC 50mA max

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Industrial 4-20mA



IND-4-20mA



Sensor accuracy: $\pm 1\%$
Auxillary power supply: 12VDC 50mA max

Operating temperature range: 0°C to +75°C (32°F to +167°F)
Humidity (operating and storage): < 90% rH (non-condensating)

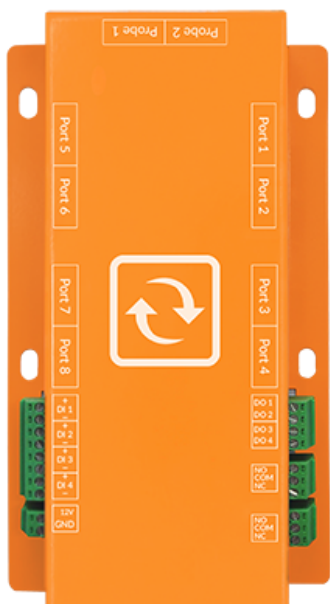


Industrial & Critical Power

Open & Modular Sensor Platform for: monitoring Industrial & Critical Power

Expanding our product lineup, the Industrial & Power solution seamlessly integrates ServersCheck's foundational capabilities with additional features tailored for enhanced functionality. The sensors in this solution remain consistent with those utilized for Data & IT, building upon the robust foundation of ServersCheck. However, this variant incorporates supplementary elements, such as thermal imaging and specialized gas sensors designed for SF6 and O3 detection.

These augmentations broaden the scope of monitoring capabilities, ensuring a comprehensive approach to industrial applications and mission-critical power systems. Optimized for dynamic settings, the Industrial & Power solution reaffirms our commitment to reliability and safety in diverse operational environments.





Thermal Imaging and IR Sensors

Infrared Thermal Image Sensor



THIMG-(XS,S)



THIMG-(M, L)

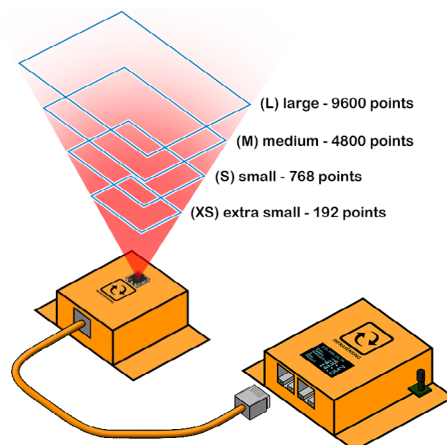


Image Resolution

Part Number

Object Temperature

Thermal Image Size

Temperature Reporting

Horizontal Field of View

Vertical Field of View

Accuracy

X-Small

THIMG-XS

-40°C to 300°C

768 pts

(16 x 12 pixels)

min & max temp

110° (wide)

75°

±1°C

Small

THIMG-S

-40°C to 300°C

768 pts

(32 x 24 pixels)

min & max temp

110° (wide)

75°

±1°C

Medium

THIMG-M

0°C to 120°C

4800 pts

(80 x 60 pixels)

min & max temp

51° (narrow)

63°

±5°C

Large

THIMG-L

0°C to 120°C

9600 pts

(160 x 120 pixels)

min & max temp

56° (narrow)

71°

±5°C

Infrared Thermal Image Sensor



THIMG-SC



Target temperature range:

-40°C to 300°C (-40°F to 572°F)

Temperature accuracy:

±1°C (±1.8°F)

Field of View (FoV):

110° horizontal (wide) / 75° vertical

Max object distance:

Up to 5m

Resolution:

32x24 pixels

Operating temperature range:

-10°C to +85°C (14°F to 185°F)

Humidity operating and storage:

< 90% rH (non-condensating)

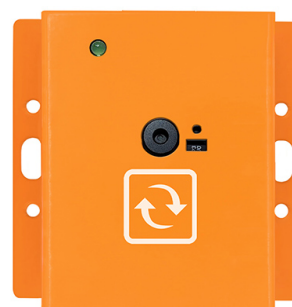
Sensor enclosure:

Plastic material enclosure

Mounting option:

Secure mounting with bolt and nut mechanism Can be mounted using two M24 nut

Industrial Infrared Spot Sensor



THIMG-IRSPOT



Temperature Accuracy:

±0.5°C (±0.9°F) accuracy from 0°C to 50°C (32°F to 122°F)

Field of View (FoV):

35°/12°/5°

Temperature Reading:

-70°C to 380°C (-94°F to 716°F)

Resolution:

0.02°C (32.04°F)

Operating temperature range:

0°C to +75°C (32°F to 167°F)

Humidity operating and storage:

< 90% rH (non-condensating)

Sensor enclosure:

Steel enclosure, industrial grade

Mounting option:

OU rack, DIN rail, magnetic, or wall mountable sensor

*Optional daisy chain version can have up to 20 IR Spot sensors per Base Unit.



Gas Sensors

Ozone (O₃) Gas Sensor

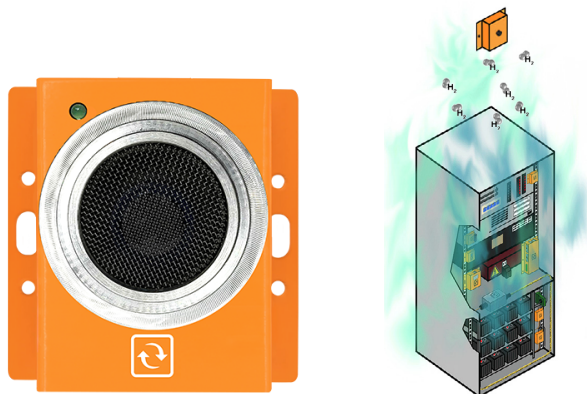
GAS-O3



Measurement range: 0-5 ppm
Max detecting range: 50 ppm
Response time (T90): <60 s
Warm up time: 10 minutes

Operating temperature range: -20°C to +45°C (-4°F to +113°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Sulfur Hexafluoride (SF₆) Gas Sensor

GAS-SF6

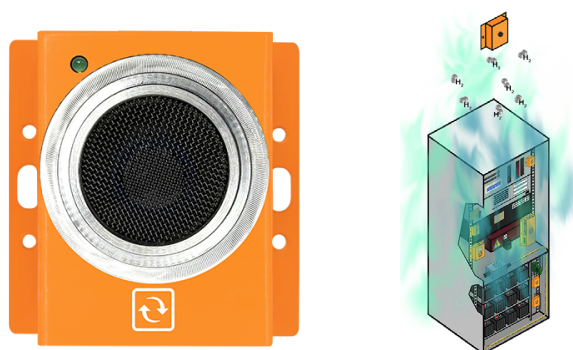


Measurement range: 0-1000ppm
Accuracy: ±1% of FS range for readings below 25% of range
±2% of FS range for readings below 50% of range
±5% of FS range above 50% of range

Response time (T90): 30s
Warm up time: 5 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 0-90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



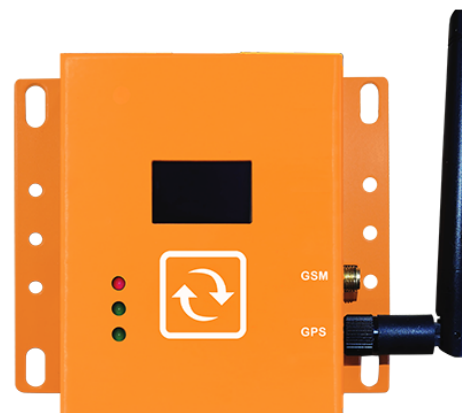
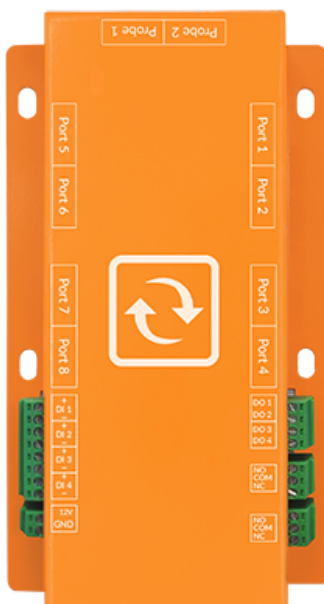


Fire Prevention

Open & Modular Sensor Platform for: Early Detection & Preventing Fires

In the realm of fire prevention, our sensors align with the data & IT and industrial & critical power solutions, featuring the same foundational components. However, this specialized solution goes a step further, augmenting its capabilities with a comprehensive array of gas sensors, Industrial + all gas sensors.

By integrating all gas sensors, the Fire Prevention solution is uniquely equipped to address a broad spectrum of potential fire hazards. Focused on early detection and prevention, this solution is designed to proactively identify and mitigate risks, ensuring a secure environment. From methane to hydrogen sulfide, our base units and sensors establish a robust defense against a myriad of potential dangers, reinforcing our commitment to safety.





Gas Sensors

Ammonia (NH₃) Gas Sensor

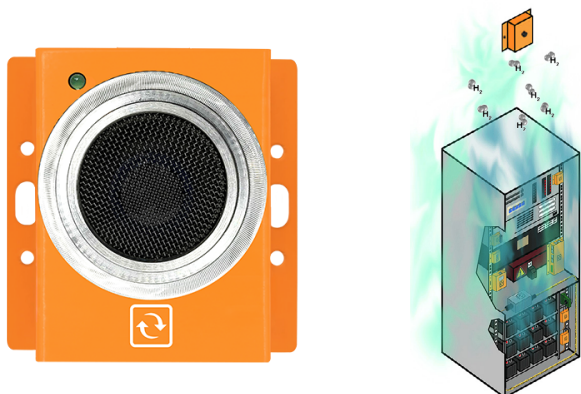
GAS-NH₃



Measurement range: 0-100 ppm
Maximum detection: 200 ppm
Response time (T₉₀): <90 s
Warm up time: 10 minutes

Operating temperature range: -10°C to +60°C (14°F to +140°F)
Humidity (operating and storage): 0-95% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Carbon Dioxide (CO₂-NDIR) Gas Sensor

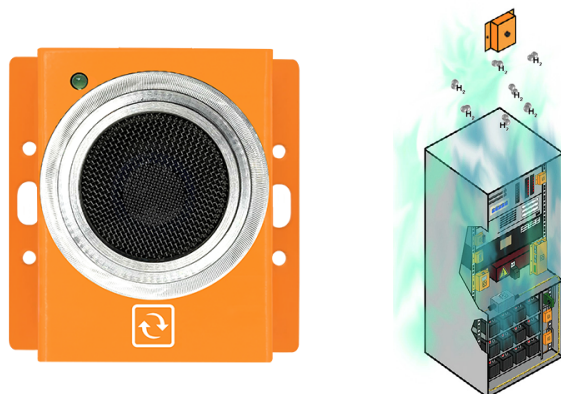
GAS-CO₂-NDIR



Measurement range: 0-5000 ppm
Accuracy: ±3%
Response time (T₉₀): <3mins(180s) for 90%
Warm up time: <2mins(60s) operational; 10 mins (maximum accuracy)

Operating temperature range: -10°C to +60°C (14°F to +140°F)
Humidity (operating and storage): 0-95% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Carbon Monoxide (CO) Gas Sensor

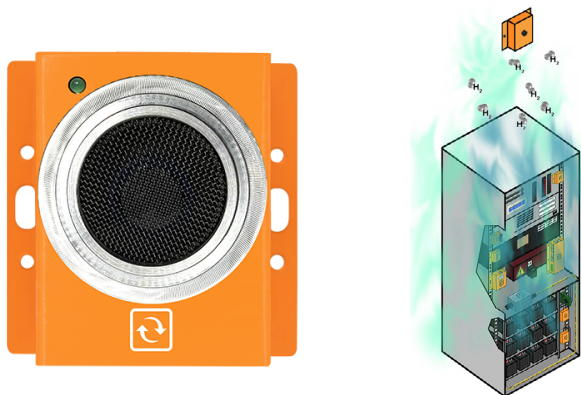
GAS-CO



Measurement range: 0-2000ppm
Max detecting range: 5000 ppm
Response time (T₉₀): <30s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Chlorine (CL₂) Gas Sensor

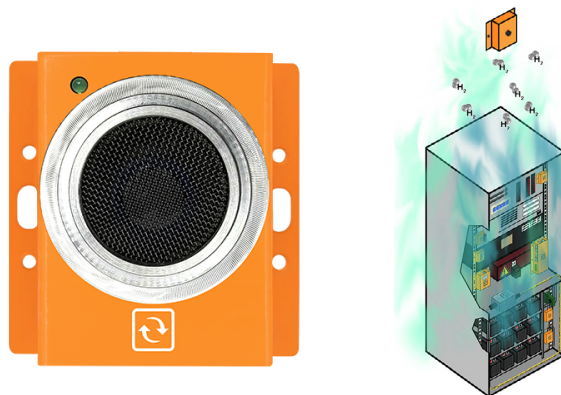
GAS-CL₂



Measurement range: 0-200ppm
Max detecting range: 100 ppm
Response time (T₉₀): <30s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor





Ethylene (C₂H₄) Gas Sensor

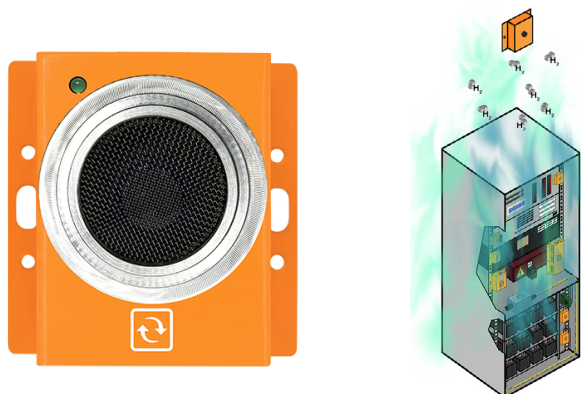
GAS-C₂H₄



Measurement range: 0-100ppm
Max detecting range: 200 ppm
Response time (T₉₀): 30s
Warm up time: 10 minutes

Operating temperature range: -30°C to +50°C (-22°F to +122°F)
Humidity (operating and storage): <90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Ethylene Oxide (ETO) Gas Sensor

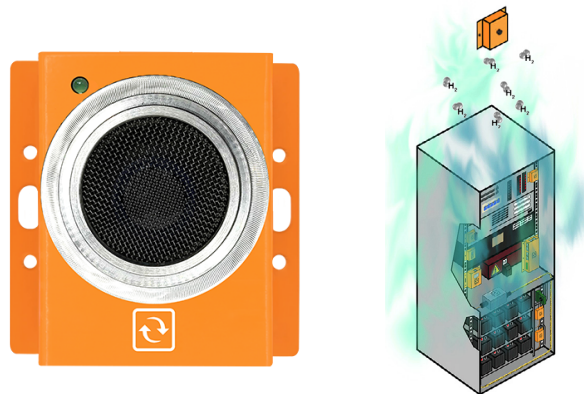
GAS-ETO



Measurement range: 0-500ppm
Max detecting range: 100 ppm
Response time (T₉₀): <120s
Warm up time: 6-48 hours

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Formaldehyde (CH₂O) Gas Sensor

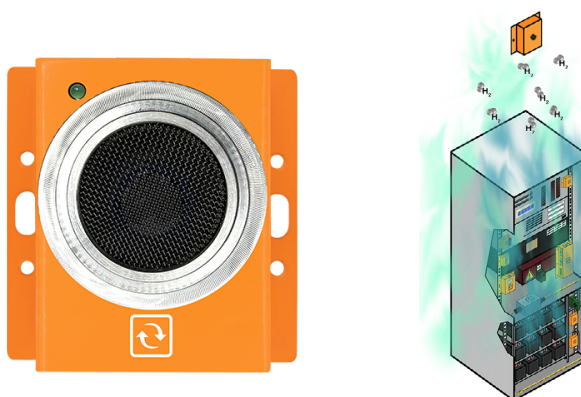
GAS-CH₂O



Measurement range: 0-20 ppm
Max detecting range: 100 ppm
Response time (T₉₀): <40s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15-90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Hydrogen (H₂) Gas Sensor

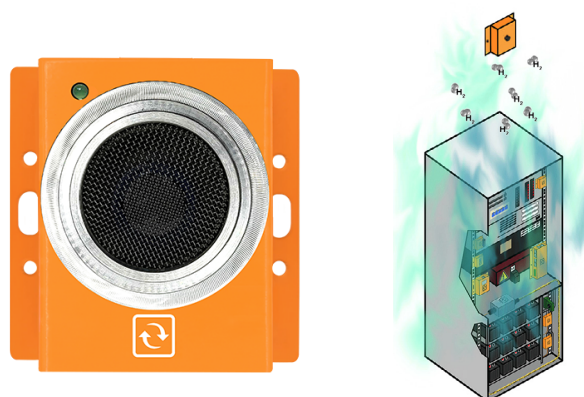
GAS-H₂-2



Detection range: 0 to 100% LEL
Accuracy: ±5% LEL
Response time (T₉₀): <20 seconds

Operating temperature range: -40°C to 75°C (-40°F to 167°F)
Humidity (operating and storage): 0 to 100% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor





Gas Sensors

Hydrogen Chloride (HCL) Gas Sensor

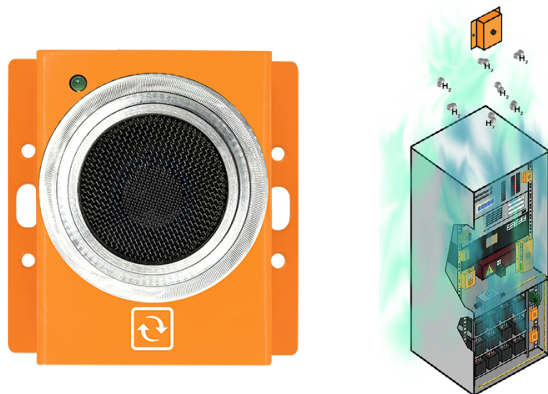
GAS-HCL



Measurement range: 0-50 ppm
Max detecting range: 100 ppm
Response time (T90): ≤70 s
Warm up time: 6-48 hours

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Hydrogen Fluoride (HF) Gas Sensor

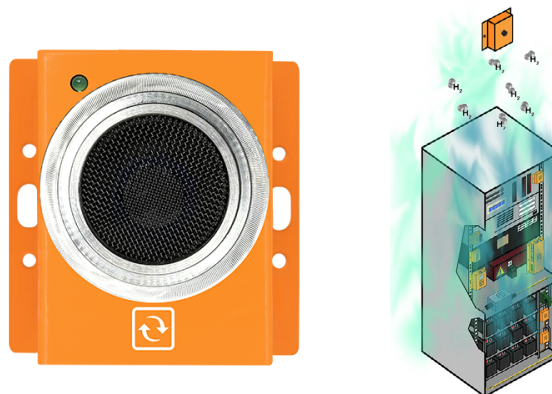
GAS-HF



Measurement range: 0-10 ppm
Max detecting range: 100 ppm
Response time (T90): <90 s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Hydrogen Sulfide (H2S) Gas Sensor

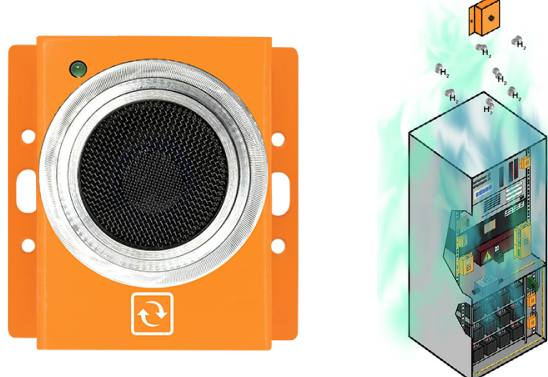
GAS-H2S



Measurement range: 0-100 ppm
Max detecting range: 500 ppm
Response time (T90): ≤20 s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor



Methane (CH4) Gas Sensor

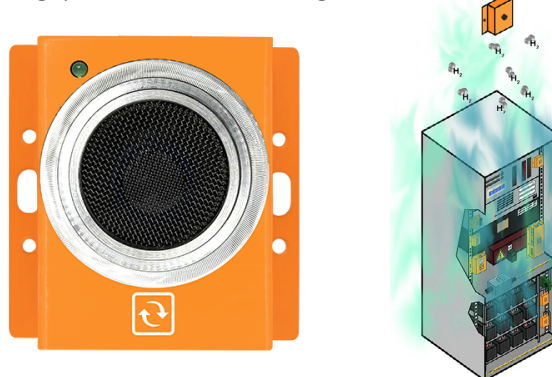
GAS-CH4



Methane level: 0 to 100% LEL
Max detecting range: 5,000 CH4 ppm (=100% LEL)
Response time (T90): 15s
Warm up time: 10 minutes

Operating temperature range: 0°C to +70°C (32°F to +158°F)
Humidity (operating and storage): < 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: OU rack, DIN rail, magnetic, or wall mountable sensor





Methyl Mercaptan (CH₃SH) Gas Sensor

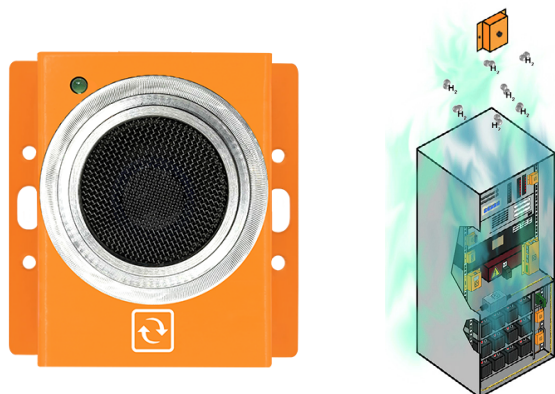
GAS-CH3SH



Measurement range: 0-10 ppm
Response time (T90): ≤ 30s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Nitric Oxide (NO) Gas Sensor

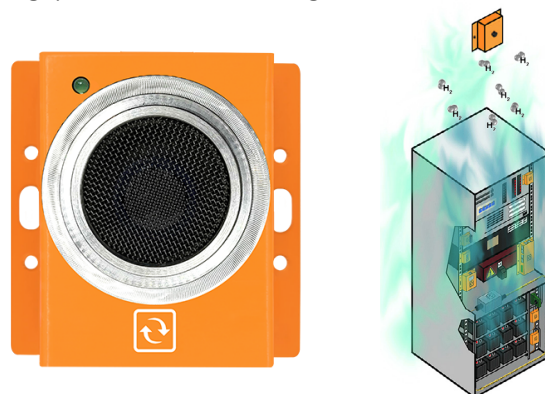
GAS-NO



Measurement range: 0-250 ppm
Max detecting range: 1000ppm
Response time (T90): ≤ 30s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Nitrogen Dioxide (NO₂) Gas Sensor

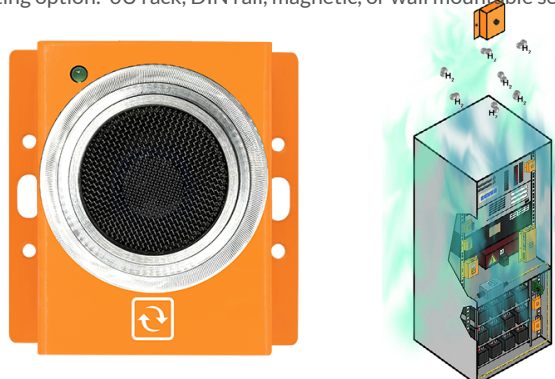
GAS-NO2



Measurement range: 0-20 ppm
Max detecting range: 250ppm
Response time (T90): ≤ 30s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Oxygen (O₂) Gas Sensor

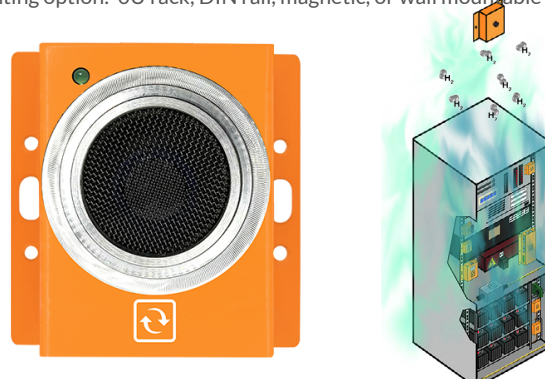
GAS-O2



Measurement range: 0-30% Vol
Max detecting concentration: 30% Vol
Response time (T90): ≤ 30s
Warm up time: 6-48 hours

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor





Gas Sensors

Sulfur Dioxide (SO₂) Gas Sensor

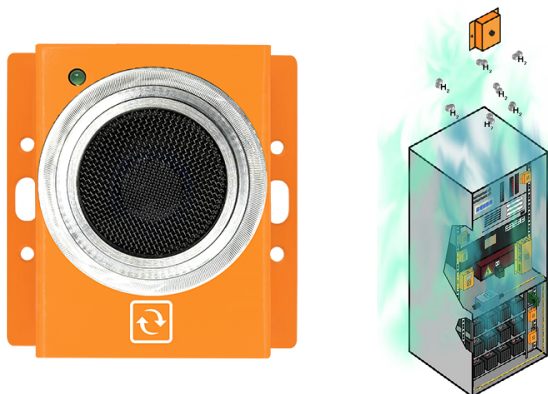
GAS-SO2



Measurement range: 0-20 ppm
Max detecting range: 150 ppm
Response time (T90): ≤45s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor



Phosphine (PH₃) Gas Sensor

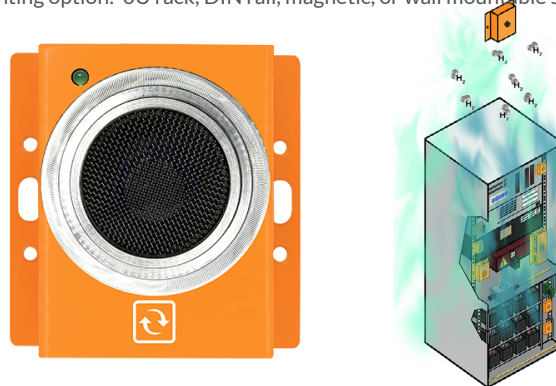
GAS-PH3



Measurement range: 0-2000 ppm
Max detecting range: 100 ppm
Response time (T90): ≤25s
Warm up time: 10 minutes

Operating temperature range: -20°C to +50°C (-4°F to +122°F)
Humidity (operating and storage): 15 - 90% rH (non-condensating)

Sensor housing: Steel enclosure, industrial grade
Mounting option: 0U rack, DIN rail, magnetic, or wall mountable sensor





On-Premises Touch Appliance



MON-TOUCH2



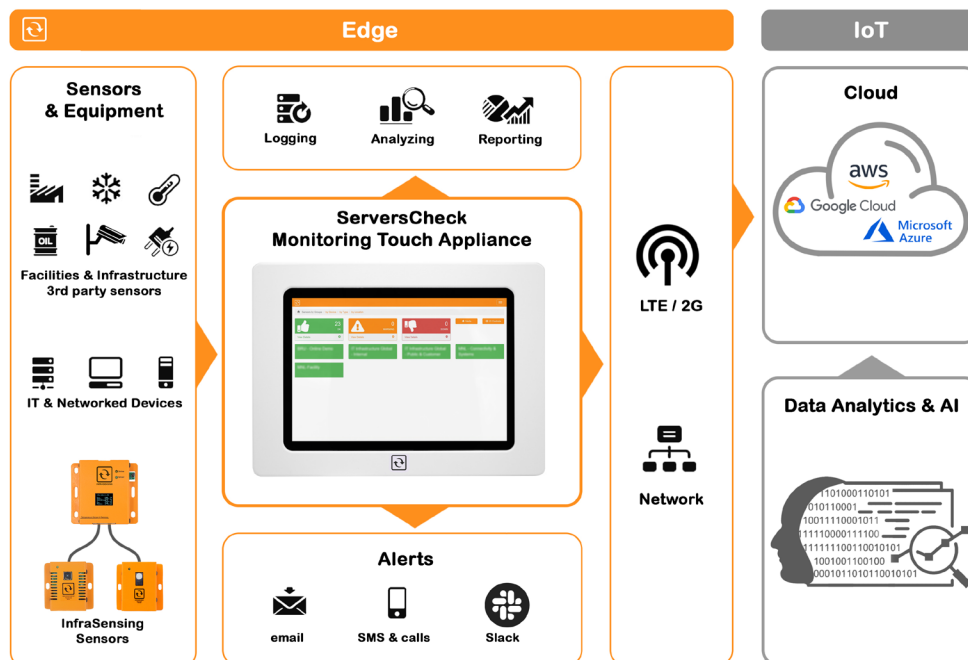
Processor (CPU):
Memory (RAM):
Default Storage:
Optional Additional Storage:
Network:
Cellular Network:
Screen:
Operating System:
Software:
Mount:
AC/DC Power Adapter:
PoE powered:
+24V or -48V input:

Intel Pentium Gold 4425Y
4GB
64GB
WiFi 2.4 & 5Ghz
10.5" touch 1920x1280
Windows 10 IoT Enterprise
ServersCheck Monitoring Software
VESA 100x100
✓
optional
optional

MON-TOUCH2-LTE



Intel Core M
8GB
128GB
up to 1 TB (via SD card)
WiFi 2.4 & 5Ghz
LTE
10.5" touch 1920x1280
Windows 10 IoT Enterprise
ServersCheck Monitoring Software
VESA 100x100
✓
optional
optional





Price Quote & Order Form

SKU	Name	Quantity
Base Unit		
BASE-IT-5	Base Unit	
BASE-PWR	Power Adapter for Base Unit	
BASE-PWR-USB	USB Power Cable for Base Unit	
Add-Ons		
ADDON-LTE	LTE/3G/2G Cellular Add-On	
ADDON-WIFI	Wifi Add-On	
ADDON-POE	24v/-48v DC Power Add-On (PoE injector)	
ADDON-RTU	Modbus RTU (Slave) Add-On	
ADDON-SATELLITE	Satellite Add-On	
Expansion Hubs		
EXP-8HUB	SensorHub for Base Unit	

SKU	Name	Quantity
Monitoring Platform		
MON-TOUCH2-LTE	Monitoring Touch Appliance with LTE	
MON-TOUCH2	Monitoring Touch Appliance	

SKU	Name	Quantity
Thermal Imaging Sensor		
THIMG-XS	Thermal Imaging Sensor (extra small)	
THIMG-S	Thermal Imaging Sensor (small)	
THIMG-M	Thermal Imaging Sensor (medium)	
THIMG-L	Thermal Imaging Sensor (Large)	
THIMG-CS	Thermal Imaging Sensor	
THIMG-IRSPOT	Infrared Spot Temperature Sensor	

SKU	Name	Quantity
Temperature Sensors		
ENV-THUM	Temperature and Humidity Sensor	
ENV-TEMP	Temperature Sensor	
ENV-TSURFACE	Industrial Surface Temperature Sensor	
ENV-TSTAIN	Steel Temperature Sensor	
ENV-TULTRA	Ultra Low Temperature Sensor	
ENV-TEMP-MAGNET	Temperature Magnet Sensor	
ENV-LHD	Linear Heat Trace Sensor	

SKU	Name	Quantity
Daisy Chain Sensors		
DAISY-STARTER	Daisy Chain Sensor Start Unit	
DAISY-BOOSTER	Daisy Chain Booster	
DAISY-THUM	Daisy Chain Temp & Humidity Unit	
DAISY-TEMP	Daisy Chain Temperature Sensor Unit	
DAISY-IRSPOT	Daisy Chain IR Spot Temperature Sensor	
DAISY-TEMP-MAGNET	Daisy Chain Temperature Magnet Sensor	
DAISY-THUM-C	ISO17025 Calibrated Cylindrical Daisy Chained Temperature & Humidity Sensor	

SKU	Name	Quantity
Environmental Sensors		
ENV-NOISE	Digital sound & noise level (dbA) sensor	
ENV-AIRFLW	Digital Airflow Sensor	
ENV-AIRPRESSURE	Differential Air Pressure Sensor	
ENV-PARTICLE	Particle Sensor	
ENV-CORROSION	Atmospheric Corrosion (ACM) Sensor	
ENV-DUST	Optical Dust Particle Sensor	
ENV-LEAK OPTICAL	Optical Oil & Hydrocarbon Leak Sensor	
ENV-FLEAK-COMBO	Fuel Leak Detection Sensor	
ENV-FLEAK-5M	Fuel Leak Detection Cable	
ENV-WLEAK-LOC-COMBO5	Water Leak Location Sensor	
ENV-WLEAK-COMBO	Water Detection & Flooding Sensor	
ENV-WLEAK-5M	Water Detection & Flooding Cable	
ENV-WSPOT	Water Spot Sensor	



Price Quote & Order Form

SKU	Name	Quantity
Gas Sensors		
GAS-NH3	Ammonia Gas Sensor	
GAS-CO2-NDIR	Carbon Dioxide NDIR Gas Sensor	
GAS-CO	Carbon Monoxide Gas Sensor	
GAS-CL2	Chlorine Gas Sensor	
GAS-C2H4	Ethylene Gas Sensor	
GAS-ETO	Ethylene Oxide Gas Sensor	
GAS-CH2O	Formaldehyde Gas Sensor	
GAS-H2-2	Hydrogen Gas Sensor	
GAS-HCL	Hydrogen Chloride Gas Sensor	
GAS-HF	Hydrogen Fluoride Gas Sensor	
GAS-H2S	Hydrogen Sulfide Gas Sensor	
GAS-CH4	Methane Gas Sensor	
GAS-CH3SH	Methyl Mercaptan Gas Sensor	
GAS-NO	Nitric Oxide Gas Sensor	
GAS-NO2	Nitrogen Dioxide Gas Sensor	
GAS-O2	Oxygen Gas Sensor	
GAS-O3	Ozone Gas Sensor	
GAS-PH3	Phospine Gas Sensor	
GAS-SO2	Sulfure Dioxide Gas Sensor	
GAS-SF6	Sulfur Hexafluoride Gas Sensor	
GAS-A1	Refrigerant A1 Gas Sensor	
GAS-A2L	Refrigerant A2L Gas Sensor	
GAS-A3	Refrigerant A3 Gas Sensor	
GAS-R-134a	Refrigerants R-134a Gas Sensor	

SKU	Name	Quantity
Power Monitoring Sensors		
PWR-AC-FAIL	AC Power Failure Sensor	
PWR-DC-VOLT	DC Voltage Sensor	
PWR-AC-QUAL	AC Power Quality Sensor	
PWR-AC-CUR	AC Current (Power Usage) Sensor	
PWR-DC-FAIL	DC Power Failure Sensor	
PWR-FUEL	Ultrasonic Fuel Level Sensor	
PWR-GROUND	Grounding Sensor	
PWR-BAT-STRING	Battery Monitoring - Control Module	
PWR-BAT-CELL	Battery Monitoring - Battery Module	

SKU	Name	Quantity
Security Sensors		
SEC-DOOR	Door Contact Sensor	
SEC-SHOCK	Digital Shock / Vibration Sensor	
SEC-LUX	Light Sensor	
SEC-SMOKE	Smoke Sensor	
SEC-TILT	Tilt Sensor	
SEC-MOTION	Motion Sensor	
SEC-SOUND	Noise triggered security sensor	

SKU	Name	Quantity
Industrial Legacy Sensors		
IND-IO	IO-Dry Contact Sensor	
IND-0-10V	Industrial 0-10V	
IND-4-20mA	Industrial 4-20mA	



Order Form

1 - FILL IN THE QUANTITIES NEEDED PER SKU ON THE PREVIOUS PAGE

2 - BILLING ADDRESS

Billing information	
Company Name :	
First & Last Name :	
Street address :	
City :	Postal (Zip) Code :
Country :	
Phone :	Email :

3 - SHIPPING ADDRESS

Billing information	
Company Name :	
First & Last Name :	
Street address :	
City :	Postal (Zip) Code :
Country :	
Phone :	Email :

4 - PRICE QUOTE OR ORDER



SEND ME A PRICE QUOTE



ORDER

5 - ORDER APPROVAL (leave blank for price quotes only)

Authorize your order
Signature :
First name & last name :
Job title:

6 - SEND THIS FORM

You can send this form by email to hello@infrasensing.team or by fax to +1-800-520-4393
Please allow 2-3 business days for processing your form.