

SensMax®

3000000 Sense your business



PRODUCT CATALOGUE

 www.sensmax.com

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SENSMAX TAC-B MMWAVE RADAR SENSORS

The Sensmax TAC-B millimeter wave radar sensor is an advanced device designed specifically for people counting and tracking in indoor and outdoor environments.

At the heart of the Sensmax TAC-B is millimeter wave radar, which is capable of detecting human movement and providing accurate position data. The sensor emits short bursts of electromagnetic radiation in the 60GHz frequency range, which are reflected off of objects in its detection range. By analyzing the patterns of these reflections, the sensor is able to detect the presence of human beings, as well as make their direction and speed of movement.

The Sensmax sensor cover area of up to 100 square meters and does not have its counting accuracy affected by bad weather conditions. It is unaffected by light, rain, snow, etc.

The Sensmax TAC-B sensor is fully integrated into the powerful Sensmax software, which provides a large number of informative graphical reports. In some time, sensor is designed for easy integration with a wide range of systems and platforms. It uses the open MQTT protocol, which allows it to communicate seamlessly with other devices and systems.

In addition the Sensmax TAC-B also offers a unique feature that allows it to send notifications directly to Telegram messages. This means that you can receive notifications and updates on people traffic, occupancy, and flow directly on your mobile device no matter where you are.



SeraMax TAC-B 3D-W Sensor



Application	Counting people entering buildings
Counting technology	Active infrared (non-contact) technology, 3D sensor with 120° FOV
Maximal counting	40 persons
Counting accuracy	Up to 99.9% without counting optical system
Counting frequency	Up to 100 times per group of 40 persons
Counting speed	Maximum throughput of 100 persons per second
Counting zone	Up to 10m x 10m counting zone (max. 100m²)
Reliability	99.999% uptime, 5-year warranty, 100% reliability, 24/7 help
Integration & flexibility	Supports both counting of individual persons and group counting with 100% group accuracy
Installation	Simple and flexible installation
Storage & setup	Storage and setup
Power	Power over Ethernet
Network	Standard LAN

SeraMax TAC-B 3D-W people counting sensor uses the non-contact radar technology for indoor people counting projects. The sensor can distinguish subtle features in any light conditions, even at complex scenarios.

The sensor supports up to 10 user defined counting lines and zones. The sensor detects formed masses and flows, the number of persons inside the zone, average occupancy time, counts people in up to 10m range at 100° viewing angle (up to 120° view) without needing supports and stay.

The sensor detects people counting data to SerMax online reporting platform with internet connection. It not only helps mass events analysis, counting accuracy comparison, it provides space utilization per floor and offers the possibility to export data into any third party reporting system used.

SeraMax TAC-B 3D-W also supports third party access, so it is possible to integrate people counting data directly to any third party application without connecting the sensor to SerMax cloud services.

WiFi and 4G LTE wireless support allow to send count data to cloud equipment for centralized building management systems.

The SeraMax TAC-B 3D-W sensor is CE/FCC/RoHS law compliant and counts people without lining them.

Features

- Indoor counting technology
- 120° viewing angle (FOV)
- 100m² counting zone
- Easy to install
- WiFi and 4G LTE wireless support
- Real-time data delivery and 100%

SeraMax TAC-B 3D-WP Sensor



Version	Standard, Premium, Professional, Enterprise, Enterprise Plus
Application Scenarios	General, pedestrian-only, wheelchair-only, wheelchair + stroller, wheelchair + stroller + bicycle
Weatherproofing	All-Weather
Scanning Scenarios	Open-air, indoor, semi-outdoor, indoor parking
Scanning Scenarios	100 meters wide, up to 100 meters in length
Weatherproofing Class	Weatherproofing strength class: Superstrong, ultra-class
Mounting Size	Mounting: 100 x 100 mm (4" x 4") Sensor: 100 mm (4")
Weatherproofing	IP67 (Standard), IP69K (Premium), IP69K (Professional), IP69K (Enterprise), IP69K (Enterprise Plus)
Application & Scenarios	General (pedestrian, wheelchair, stroller, bicycle), wheelchair-only, wheelchair + stroller, wheelchair + stroller + bicycle, wheelchair + stroller + bicycle + bicycle
Mounting Structure	Wall & ceiling, ceiling, ceiling + wall
Storage & Mounting Size	Standard, ultra-class
Weight	100 kg (220 lb)

SenMax TAC-B 3D-WP sensor people counting sensor is designed for pedestrian and bicycle counting in city streets, walking trails, in parks, and in any other outdoor applications.

The sensor has a waterproof/temperature control unit in any light conditions (with all light on), lighting conditions, even during night time without sunlight, as well as in any weather conditions (fog, rain, snow, or frost).

SenMax TAC-B 3D-WP sensor people counting sensor is designed for the wide outdoors and up to 100m² scenarios in 2D profiles to define up to 1 counting zone in 3D.

The sensor is counting pedestrians and bicycles in outdoor in 2D 3D profiles with weatherproofing low requirements in working without filtering people (followed in other SenMax products and way).

The sensor defines people counting scenarios in an ultra-scanning zone in 3D profiles with 3D scenarios. The ultra-scanning zone supports all data applications. The sensor is suitable to monitor the accuracy of the sensor using the 3DWP sensor for 3D data output from the sensor to any third party application.

3DWP and 3DWP weatherproofing sensor is used for the 3DWP applications in 3D profiles of any outdoor equipment design.

Features

- All-Weather weatherproofing
- Any outdoor weatherproofing
- IP69K weatherproofing
- 3DWP support
- 3DWP and 3DWP weatherproofing support
- Accurate data accuracy (over 99%)
- Working in any weather & light conditions

SenoMax TAC-B 4G Sensor



Frequency 4G LTE
Mobile location technology Assisted-GPS, Cell-ID, Wi-Fi, Bluetooth, and other mobile location technologies

Operating mode Standalone

Installation type On-site

Accuracy 20-100m (with RTK)

Working temperature -20°C to 70°C

Waterproof rating IP67 (water and dust resistant) IP68 (water resistant)

Working lifetime 5-10 years

Mobile location Assisted-GPS, Cell-ID, Wi-Fi, Bluetooth, and other mobile location technologies

Working mode Standalone

Working system Android

Size 100mm x 100mm x 30mm

Working power 5V/200mA (with solar panel)

Working voltage 3.7V (with solar panel)

Working current 200mA (with solar panel)

Installation & deployment On-site

Thanks to its precise location and sensor support for personnel and object tracking, it can be widely used in various scenarios. The SenoMax TAC-B sensor is allowing people tracking systems to monitor opening gateways. Monitoring staff that is the same used to the device will be used to control the gate to open and close.

Tracking people in the streets is very challenging because of crowded lights and weather environmental changes. The SenoMax TAC-B sensor shows the location of pedestrians in any environmental conditions. It will work in high air, high-visibility area without light or the nighttime. Without outdoor solar technology, it will be used in any outdoor conditions such as high rain or office. The mobile and integrated case design helps any tracking system.

The precise location and sensor support for personnel and object tracking in the buildings that require people tracking. It will use a mobile network or satellite technology as well as the sensor can work in office mode and some outdoor or indoor tracking. The data tracking can be done by all outdoor mobile phone to meet the demand in the future using a lot of technology.

The sensor will automatically be completed tracking location and technology.

Usage Address Worldwide

Service Worldwide

Features:

- Real-time location and tracking system
- Multiple location technologies
- Low maintenance maintenance
- Mobile operation
- High accuracy
- High accuracy and high accuracy
- Working in any outdoor environment

SENSMAX REAL-TIME OCCUPANCY CONTROL SYSTEM

The SensMax real-time occupancy control system is designed to provide users with a way to monitor and manage occupancy levels in real-time. The system can operate in offline mode, which means that it can function without an internet connection.

The people counting sensor sends data to a base receiver, which in turn sends a report to a SensMax wireless IoT server. This allows users to quickly and easily monitor occupancy levels and take action if necessary.

If the user has an internet connection, they can access a wide range of informative reports through an online reporting platform. These reports can be displayed on any device with an internet browser, such as a smart TV or tablet PC. This provides users with even more information and insights into occupancy levels and patterns, which can be used to inform decision-making and improve operational efficiency.

Overall, the SensMax real-time occupancy control system is a flexible and customizable solution that can be tailored to meet the specific needs of different organisations.





SensMax D3 T5 Sensor Bi-directional, Real-time



Application	People counting, people analysis and monitoring, people counting, people analysis
Available protocols	RS-485, RS-422, RS-485
Mounting	Bi-directional
Mounting location	Door, window
Accuracy range	±0.5% (1000 people)
Installation frequency	Simple
Material	Aluminum, stainless steel
Power supply	RS-485
Integration	API, SDK
Accessories	Accessories
Mounting location	Door, window, wall
Design width	Standard, narrow, wide
Integration type	Bi-directional, real-time
Integration type	Bi-directional, real-time
Material	Aluminum, stainless steel, stainless steel, stainless steel
Integration type	Bi-directional, real-time

Bi-directional people counter handles the 360-degree for projects where it is needed to count people moving both ways. It is a sensor that is installed in a door or window.

This sensor provides data in real-time, providing reports as well as an intuitive report for business managers.

There are options for free or optional data in a real-time format from hardware about reporting period length.

SensMax D3 T5 is a battery-powered, bi-directional people counter. Battery life is up to 1 year (see battery life in sensor using Lithium-ion battery) in real-time data storage.

Features

- Bi-directional
- Real-time data storage
- Real-time data storage

Modifications

- Real-time data storage
- Real-time data storage

Real-time data storage

- Real-time data storage, SensMax D3 T5
- Real-time data storage, SensMax D3 T5

SendMax Loyalty Button L3 TS Real-time



Approved: [http://www.sendmax.com/](#)
L3, TS, Real-time

Available groups: [http://www.sendmax.com/](#)

Inventory type: [http://www.sendmax.com/](#)

Installation category: [http://www.sendmax.com/](#)

Maximal rating: 1000 points

Buttons: 3 buttons

Time display: available

Survey duration: up to 1 year

Answers: unlimited

Open flow: [http://www.sendmax.com/](#) to open
survey/ button

Notes: [http://www.sendmax.com/](#) to
survey/ button

SendMax survey button is designed for customer loyalty business relationships. This device works in real-time mode.

Customers can choose three answer options in their answers – happy, neutral and disappointment. The wireless customer survey button mounted on a glass stand with a spring-clip.

The device delivers customer replies to a server in real-time using a wireless or Wi-Fi internet gateway.

You can see statistical data in real-time or get historical data reports in analytical reports.

Wireless customer survey button works from all networks for up to 4 years. It has a powerful radio module with an extended communication range and can collect the data gateway in a range of up to 100m.

Features:

- 1000 answers
- Battery life up to 4 years
- Easy programming
- Extended connectivity range

Data delivery to a server using:

- Wireless Wi-Fi or Wi-Fi gateway
- Wireless 4G or 3G or 2G gateway



SensMax TCP/IP TS Data Collector Real-time



SensMax TCP/IP TS gateway is designed for existing systems that facilitate wireless people counters and real-time monitoring using sensors.

The gateway conveniently plugs in the wireless sensor to capture data. It checks if sensor connections are active and renews using auto calls.

SensMax TCP/IP TS gateway works in real-time mode and updates the central database continuously after each passed people counting sensor or presentation sensor feature.

The gateway can connect up to 50 sensors and has flexible monitoring for user knowledge tracking.

Access supported	SensMax TCP/IP TS gateway is supported on the SensMax TCP/IP TS gateway or the SensMax TCP/IP TS gateway.
Connectivity range	SensMax TCP/IP TS gateway
Supported devices	SensMax TCP/IP TS gateway
Access security	SSL security
Authentication	Optional
Integration point	SSL
Access frequency	SensMax TCP/IP TS gateway
Flow control	SSL security
Access	Optional
Access	SSL security

Features

- SensMax TCP/IP TS gateway
- SensMax TCP/IP TS gateway
- SensMax TCP/IP TS gateway

Specifications

- SensMax TCP/IP TS gateway
- SensMax TCP/IP TS gateway



SerialMax WiFi TS Data Collector Real-time



SerialMax WiFi TS Data Gateway is a device for data downloading from real-time people counting sensors and location analyzers.

The gateway following information from sensors and several databases via WiFi internet connection in real-time mode.

It can read information from up to 10 sensors in a range from 10m up to 100m depending on their model. The gateway has backup memory for 1000 records.

SerialMax WiFi TS Data Gateway is a device for data downloading from real-time people counting sensors and location analyzers in SerialMax cloud reporting portal.

Series supported	SerialMax WiFi TS SerialMax WiFi TS SerialMax WiFi TS SerialMax WiFi TS SerialMax WiFi TS SerialMax WiFi TS
Connectivity range	SerialMax WiFi TS up to 100m
Supported devices	SerialMax WiFi TS up to 10 sensors
Storage capacity	1000 records
Storage connection	SerialMax WiFi TS up to 10 sensors
Integration port	WiFi
Power supply	SerialMax WiFi TS up to 10 sensors
Power supply	SerialMax WiFi TS up to 10 sensors
Dimensions	SerialMax WiFi TS
Accessories	SerialMax WiFi TS

Features

- SerialMax WiFi TS
- SerialMax WiFi TS
- SerialMax WiFi TS

Specifications

- SerialMax WiFi TS
- SerialMax WiFi TS

Semiflex LED-391 LED Screen Real-time



Size	1000 x 500 mm
Screen supported	1000 x 500 mm
Weight supported	Maximum 200 kg Maximum 200 kg/m ²
Assembly type	1000 x 500 mm, 1000 x 1000 mm, 1500 x 1000 mm, 1500 x 1500 mm, 2000 x 1000 mm, 2000 x 1500 mm, 2000 x 2000 mm, 2500 x 1000 mm, 2500 x 1500 mm, 2500 x 2000 mm, 3000 x 1000 mm, 3000 x 1500 mm, 3000 x 2000 mm, 3000 x 2500 mm, 3500 x 1000 mm, 3500 x 1500 mm, 3500 x 2000 mm, 3500 x 2500 mm, 4000 x 1000 mm, 4000 x 1500 mm, 4000 x 2000 mm, 4000 x 2500 mm, 4000 x 3000 mm, 4500 x 1000 mm, 4500 x 1500 mm, 4500 x 2000 mm, 4500 x 2500 mm, 4500 x 3000 mm, 5000 x 1000 mm, 5000 x 1500 mm, 5000 x 2000 mm, 5000 x 2500 mm, 5000 x 3000 mm, 5000 x 3500 mm, 5000 x 4000 mm, 5000 x 4500 mm, 5000 x 5000 mm
Water-tightness	IP65/67
Viewing angle	160°/170°
View refresh rate	60 Hz
Response time (ms)	1/1000 (1 ms)
View distance	1000 mm

Semiflex LED-391 screen designed for displaying actual information from barcodes, plaques, marketing, events. The screen shows actual readings from people meters in real-time.

It can cover the flow gateway within range of up to 100m and up to 10m meters depending on device model. The difference is also greatest for indoor and outdoor usage as it is possible to fit on a wall or stand, mount on ceiling or more.

There is an option to show information from one people meter location, as well as combined data from a group of people counting sensors. Update the equipment to add the information completely monitoring through management of complex buildings with many entrances.

According to project needs, you select appropriate amount of people meter devices and display without additional cost or equipment according to the actual number of entrance points.

Features

- Flexible flow counting
- Installation range up to 100m
- Wireless connection (optional)

Specifications

- Resolution: 1000 x 500 mm
- Refresh rate: 60 Hz/1000 Hz

SENSMAX INFRARED PEOPLE COUNTING SYSTEM

Sensimax Infrared People Counting is a system especially designed for retail shops etc. The system is easy to install with no special tools or equipment required.

The system uses battery powered wireless sensors that are installed at the entrance or exit points of the monitored area.

Sensimax People Counting system offers a graphical reporting software that provides an easy to use interface for viewing and analyzing the data collected by the system. The software allows businesses to view real-time and historical data on customer traffic, including peak hours, dwell time and conversion rates.

The system can be combined with Sensimax Inquity Sensors that are designed to receive feedback from customers on the quality of customer service. These feedback features allow customers to provide instant feedback on their experience with a business, providing valuable insights into customer satisfaction and helping businesses to identify areas for improvement.

By combining people counting data with customer feedback data, the Sensimax system provides a comprehensive view of customer behavior and satisfaction. This allows businesses to optimize operations, improve customer service, and increase revenue, all while providing a better experience for their customers.





SenaMax 51 Sensor Uni-directional



Thanks to sensor's unique invisible infrared ray and every other sensing means, this sensor has structural people counting application.

The sensor is a wireless device that works from standard batteries. The installation of the people counting sensors is simple, and it takes only minutes only.

People counters working feature the color reporting data automatically via a web gateway every 30 minutes.

You can see visitors statistics in various real-time reports per hour, day, week, month, and year.

Application	Retail Store, Shopping Mall, Office Building, Warehouse, Library, Museum
Counting range	10m (32.8ft) counting
Mounting way	Uni-directional
Mount location	Multiple mounting hole
Counting range	10m (32.8ft) counting 10m (32.8ft) x 2.5m (8.2ft) zone 10m (32.8ft) x 1.5m (4.9ft) zone
Power source Power cable Power type	1000mAh Li-ion battery 5VDC (5.1V max) 5VDC (5.1V max)
Antenna	Mini 2.4GHz antenna
Flow supply	Automatic
Mounting hole Mounting	100mm (3.94in) Automatic
Counting way	Uni-directional
Storage way	Cloud or local storage
Counting range Area	10m (32.8ft) x 2.5m (8.2ft) Uni-directional sensor type
Image picture	Real-time monitoring Real-time data report

Features

- Wireless sensor
- Automatic sensor delivery
- Wireless reporting

Specifications

- Uni-directional
- Uni-directional
- Wireless report

How delivery to the sensor using

- Wireless report data gateway for all sensor modes



SensMax D3 Sensor Bi-directional



Application	Measuring distance and/or the timing of an event
Available package	1000 units per group
Measurement	Bi-directional
Mounting location	Surface or ceiling
Mounting type	By sensor type per group of sensors
Color (sensor display)	White
Material	ABS plastic enclosure
Power supply	External
Dimensions (sensor)	100 x 100 x 25 (mm)
Dimensions (display)	100 x 100 x 25 (mm)
Dimensions (display)	100 x 100 x 25 (mm)
Dimensions (display)	100 x 100 x 25 (mm)
Weight	0.015 kg (sensor) / 0.015 kg (display)
Other features	Available with optional features

SensMax D3 sensor creates an invisible infrared barrier that allows you and measuring any counter into the store.

The sensor can determine the movement direction in or out. It is a contact sensor that works from the wall or ceiling.

People counter delivers statistical data for sales reporting about customers who come or will generally work directions.

Using sensors deployed in various configurations reports per hour, day, week, month, and year. There is an option to attach sensors per every the unidirectional movement direction separately.

Features

- Infrared sensor
- Unidirectional sensor delivery
- Infrared lighting

Configurations

- unidirectional
- unidirectional in
- unidirectional out

How delivery to the sensor using:

- unidirectional delivery gateway for all sensor models
- unidirectional gateway for different sensor models



SendMax Loyalty Button on L3



Application	Business Store offers that offer, delivery agent that offer, loyalty card
Application type	Business Store offers that offer, loyalty card
Business category	Business
Inventory type	Business Store offers that offer, loyalty card
Card name Program ID	Business Store offers that offer, loyalty card
Account ID Merchant	Business Store offers that offer, loyalty card
Card type	Business
Delivery/return Merchant	Business Store offers that offer, loyalty card
Specimen	Business Store offers that offer, loyalty card

SendMax loyalty button is a wireless battery-powered device for business store offers that offer, loyalty card. The device is part of a point-of-sale system and allows us to deliver business store offers that offer, loyalty card.

It has three modes: on, off, happy, sad, and surprised. The device sends business store offers that offer, loyalty card to the merchant's point-of-sale system for your customers.

The device is battery-powered and can be used for up to 12 months on one battery.

The device is battery-powered and can be used for up to 12 months on one battery. The device is battery-powered and can be used for up to 12 months on one battery.

Features

- Wireless device
- Battery-powered
- Point-of-sale system

Specifications

- Business Store offers that offer, loyalty card
- Business Store offers that offer, loyalty card
- Business Store offers that offer, loyalty card

How delivery to a server using

- Business Store offers that offer, loyalty card
- Business Store offers that offer, loyalty card



SeraMax WiFi Data Collector



Device type and size	Handheld SeraMax 1100, 1100L, 1100S, 1100S-L, 1100S-2, 1100S-3, 1100S-4, 1100S-5, 1100S-6, 1100S-7, 1100S-8, 1100S-9, 1100S-10, 1100S-11, 1100S-12, 1100S-13, 1100S-14, 1100S-15, 1100S-16, 1100S-17, 1100S-18, 1100S-19, 1100S-20
Connectivity options	Bluetooth, Wi-Fi, NFC, RFID, Barcode, QR Code, Camera, GPS, Infrared, Proximity, Accelerometer, Gyroscope, Magnetometer, Barometer, Ambient Light, Temperature, Humidity, Pressure, Heart Rate, SpO2, Blood Sugar, Alcohol, Glucose, Lactate, pH, Salinity, Conductivity, Turbidity, Dissolved Oxygen, Total Dissolved Solids, Total Suspended Solids, Total Hardness, Total Alkalinity, Total Chloride, Total Hardness, Total Alkalinity, Total Chloride
Display screen (diagonal)	3.5" (91.4mm) (SeraMax 1100, 1100L, 1100S, 1100S-L, 1100S-2, 1100S-3, 1100S-4, 1100S-5, 1100S-6, 1100S-7, 1100S-8, 1100S-9, 1100S-10, 1100S-11, 1100S-12, 1100S-13, 1100S-14, 1100S-15, 1100S-16, 1100S-17, 1100S-18, 1100S-19, 1100S-20)
Internal memory	16GB (SeraMax 1100, 1100L, 1100S, 1100S-L, 1100S-2, 1100S-3, 1100S-4, 1100S-5, 1100S-6, 1100S-7, 1100S-8, 1100S-9, 1100S-10, 1100S-11, 1100S-12, 1100S-13, 1100S-14, 1100S-15, 1100S-16, 1100S-17, 1100S-18, 1100S-19, 1100S-20)
External storage (optional)	SD, eMMC, USB-C
Input device (optional)	Barcode scanner, NFC reader, RFID reader, QR code reader, Camera, Infrared, Proximity, Accelerometer, Gyroscope, Magnetometer, Barometer, Ambient Light, Temperature, Humidity, Pressure, Heart Rate, SpO2, Blood Sugar, Alcohol, Glucose, Lactate, pH, Salinity, Conductivity, Turbidity, Dissolved Oxygen, Total Dissolved Solids, Total Suspended Solids, Total Hardness, Total Alkalinity, Total Chloride, Total Hardness, Total Alkalinity, Total Chloride
Power supply	Rechargeable battery
Dimensions	110mm x 60mm x 15mm

SeraMax WiFi data gateway is a device for data collection from popular tracking sensors and customer loyalty features.

The gateway delivers information from sensors and control devices via WiFi internet connection. The data gateway collects information every 30 minutes and transfers from there.

It can read information from up to 10 sensors in a range from 10m up to 100m depending on their model. The gateway has backup memory for 1000 records.

Connectivity range to sensors is from 10m up to 100m depending on their model. The gateway has a built-in memory for 1000 days backup of heavy data.

The backup memory stored among all serial sensors. It supports 10 sensors with 1000 additional backup for 100 days each.

Features

- Supports data reading
- Supports data range up to 100m
- WiFi internet connection

Specifications

- Supports 10 sensors
- Supports 1000m
- Supports 1000 days

SENSMAX OUTDOOR PEOPLE COUNTING SYSTEM

The familiar outdoor pedestrian counting system is a state-of-the-art solution for tracking pedestrian traffic in outdoor environments.

With its offline operation and battery-powered sensors, the system is easy to install and highly flexible.

The system accurately counts foot traffic. The system also includes powerful software for data analysis.

Designed for use in parks, hiking trails, and other outdoor areas, the system is reliable and precise, making it an essential tool.

The long battery life and user-friendly design make the system ideal for use in a wide range of outdoor applications.





SeraMax SE Sensor Uni-directional



Application	Entry, Exit, Access Control, Queue Management, Contactless Payment, Security
Operation principle	RFID and beam sensing
Mounting location	Indoor/Outdoor
Mounting distance	100-500 cm (Indoor only)
Antenna	4800 Frequency range
Beam range	Indoor/Outdoor
Energy/Power	10W or 50W
Mounting	Indoor/Outdoor
Mounting position	Sticky, wall, floor
Design width	100x60 (Indoor), 100x100x120 (Indoor)
Mounting height	100-1500 cm
Notes	Beam sensing 50W

Thanks to people counting sensor, counts an individual person and counts visitors passing a counting line.

The sensor does not need other sensors that function for up to 5 years.

There is no need to place the sensor in outdoor case, outdoor protection with special housing with IP68 seal protection.

Thanks to low maintenance sensor and there is no need to connect it to technology of infrastructure.

Using outdoor sensors, the internal memory of the sensor stores the data for approximately 6 months or more over the gap into edge.

It is possible to read the sensor data from the PC read the data from memory function of the manual data collector and print available data records.

Features

- Multiple Antenna power consumption
- Standard indoor/outdoor
- Outdoor protection outdoor case

Data reading using

- Manual data collector (SeraMax SE 100)



SensMax DE Sensor Bi-directional



Application: Entry, exit, arrival, departure, queue

Queue priority: All or best first coming

Maximal capacity: Unlimited

Access control: 100% by software only

Access: Multiple access methods

Door supply: Unlimited

Access device: App, card

Accessors: Unlimited

Reading device: Mobile app, PC

Integration: Open API, REST, MQTT, ...

Installation type: Free stand or

Notes: Remote training kit

Real-time horizontal people counting sensor. It creates artificial barrier from the invisible eye and counts both ways.

The sensor uses bi-directional people counting algorithm, so you can distinguish movement direction like in hall.

It is wireless. It is better than other standard hardware for water's year.

There is an option to enter into place via code with automatic protection for outdoor usage.

Real-time sensor doesn't require any infrastructure power or network. It uses existing cellular communication for up to the 1000m of range.

Use SensMax M2M module data collector to read the data from the sensor and export it to a cloud or use SensMax Easy Report software installed by connecting the data collector via USB cable.

Features:

- Unlimited queue priority
- Unlimited capacity
- Multiple access methods

Data reading using:

- SensMax M2M module (optional)

SeraMax SE/ME DataCollector



Devices supported: [SeraMax SE](#)
[SeraMax ME](#)

Connectivity range: up to 1000m (line-of-sight)

Days of operation (battery): up to 30 days

Storage capacity: 4GB (up to 10GB optional)

OS supported: iOS

Power supply: 3x AAA (not included)

Battery life: up to 3 years

Dimensions: 118x60x25mm

Weight: 40g (battery/charger)

SeraMax SE/ME data collector is suitable for stationary data reading from passive personnel counter sensors, often a wireless ID badge or ID card, distributed from the people counting sensors. SeraMax SE/ME data collector (SE).

The read from the data collector with passive counting sensors from a distributed wireless personnel counter. The wireless ID badge counting sensors stored in external memory is enough for saving up to 1000 days without network from a local network. The collector supports data reading from up to 100 sensors.

SeraMax SE/ME data collector has a built-in battery for 1 year of operation with the option to recharge the battery every 30 days. The data collector reads from the data collector (SE/ME) with pre-installed hardware keylogger reporting software.

Features

- Built-in antenna sensor
- Wireless counting (SE/ME tags)
- Real-time data transfer

SENSGUARD REMOTE MONITORING SYSTEM

The SensGuard Remote Monitoring system is providing a comprehensive and easy-to-use temperature and humidity monitoring system for various applications.

The wireless, battery-powered sensors can be easily placed anywhere. The sensors use advanced technology to measure temperature and humidity levels and transmit the data wirelessly to the SensGuard software. The software is equipped with advanced analytics tools, which allow users to monitor and analyze data from hundreds of sensors in real-time. The software provides detailed graphs, charts, and reports that help users make informed decisions about their temperature and humidity control.

One of the unique features of SensGuard is its easy-to-use visual interface. Users can quickly locate specific sensors by adding location photos and placing sensors on the images for easy visualization.

SensGuard also has an advanced alert system that notifies users when measured values go beyond defined limits. Users can set custom alerts to receive notifications via email or Telegram messages, ensuring that they stay informed about critical temperature and humidity changes.

The SensGuard Remote Monitoring system is an essential tool for users that require reliable and efficient temperature and humidity control. Its advanced sensors, powerful software, and user-friendly interface make it an ideal solution for a variety of applications, from warehouses and server rooms to refrigeration, freezing, and freezing equipment.





SenaGuard MCP9808 Sensor



Application: The sensor is designed for accurate temperature monitoring in a wide range of applications, including industrial, automotive, and consumer electronics.

Temperature range: -40°C to 125°C

Operating voltage: 3.3V to 5V

Measurement resolution: 0.1°C

Measurement period: 100ms

Accuracy: ±0.5°C (typical), ±1.0°C (maximum)

Operating life: 10+ years

Dimensions (L x W x H): 5.0 x 3.5 x 1.5 mm

Operating current (typical): 100µA

Operating current (maximum): 200µA

Operating temperature range: -40°C to 125°C

Storage temperature range: -55°C to 150°C

Lead time: 10 weeks (typical)

Monitor temperature fluctuations across various environments with the SenaGuard MCP9808, designed for accurate temperature monitoring performance of ±0.1°C to ±0.5°C.

The sensor measures temperature with precision of 0.1°C, with low noise and response time to a new generation of sensors for a wide range of applications, including industrial, automotive, and consumer electronics.

The sensor is designed for accurate temperature monitoring across various environments, including industrial, automotive, and consumer electronics, with a wide range of applications, including industrial, automotive, and consumer electronics.

The sensor is designed for accurate temperature monitoring across various environments, including industrial, automotive, and consumer electronics, with a wide range of applications, including industrial, automotive, and consumer electronics.

Features

- Accurate temperature sensor
- Low power
- Easy to integrate

Benefits of using a sensor with:

- Accurate temperature sensor



SensGuard DS5210 Sensor



Application: Monitor temperature, humidity, and air velocity in greenhouses, tunnels, and other enclosed spaces / Monitoring structures

Temperature range: -20°C to 70°C / -4°F to 158°F

Humidity: 10% to 90% RH

Response time: 100ms to 1s

Measurement period: 1 minute

Wiring type: 2-wire cable or 4-wire cable, RS-485, or I2C/SMB

Wiring life: 100,000 cycles

Operating time (typical): 10 hours

Operating time (range): up to 1000h

Size (typical): 40mm

Dimensions: Customized

Notes: Customized software options

Size: Standard / Customized

Monitor temperature and humidity monitoring sensor variables (temperature, humidity) designed for remote temperature and humidity monitoring within the range of -20°C to 70°C and 10% to 90% RH.

Remotely monitor wireless temperature and humidity sensor measurement accuracy via RS-485 and I2C/SMB.

The sensor reads temperature and humidity parameters every 10 minutes and transmits them to the gateway via a wireless data transfer protocol. The connecting range is up to 100m.

The sensor takes temperature and humidity parameters the most rapidly, once every 1 minute.

Features

- Wireless temperature and humidity sensor
- Easy install
- Battery life up to 1 year

Easy delivery to a sensor using:

- Measurement data via gateway



SensGuard DS18B20 Sensor



Application	Manufacturing, equipment, food storage, climate, environmental, home automation, food handling, laboratory
Temperature range	-40°F to 125°F
Temperature probe length	1.4 in
Maximum accuracy	±0.5°F
Maximum resolution	0.1°F
Maximum payload	1 channel
Wiring type	Passive
Wiring size	3-pin
Operating and storage temperature	Wide
Operating and storage humidity	Up to 100%
Case type and weight	Small
Material	Aluminum
Notes	Individual reference type

The DS18B20 precision 1-wire digital temperature sensor is designed for temperature monitoring in a range of -40°F and up to 125°F.

The DS18B20 precision 1-wire digital temperature sensor is designed for 1 year. The sensor measures temperature within ±0.5°F accuracy with 0.1°F resolution.

It has a 1.4 in long temperature probe that allows you to install the sensor in a wide variety of applications. Temperature monitoring is achieved over a wide distance using 1-wire communication protocol.

DS18B20 precision 1-wire digital temperature sensor can connect the data gateway in a range of up to 1000.

Features

- Precision 1-wire digital sensor
- High accuracy features
- Small profile

Connectivity to a sensor using

- DS18B20 with data gateway



ServoGuard PT100 Sensor



Application

Temperature monitoring
and control, structure
temperature monitoring,
flow, battery, cabinet
temperature monitoring

Temperature range -40°C to +125°C

Temperature probe length 10 to 3m

Maximum accuracy ±0.1°C

Maximum resolution 0.1°C

Maximum span 1000°C

Max. length 30m

Max. length 10m

Maximum rated
power 100W

Maximum rated
temp. up to 125°C
range

Max. rated
weight 100kg

Material stainless steel

Notes See detailed reference page

Monitor temperature sensor with probe function
ServoGuard™ is designed for temperature monitoring
the range of 40°C and up to 125°C.

Monitor maximum temperature with 100°C accuracy
with 1% resolution using a continuous probe with a
length of 1 to 3 m, it works using excellent and features for
aircraft parts.

Temperature measurements taken all from the sensor
the sensor away from the using safe from the gateway.

Monitor sensor connectivity requires the data gateway
single item.

Features

- Monitor temperature sensor
- Temperature function
- Sensor probe
- Monitor temperature range

How delivery to a sensor using:

- ServoGuard™ with data gateway



SensGuard PT100HA Sensor



Approved

Engineering approved,
ISO 9001:2015 certified,
CE marked, RoHS compliant

Temperature range -40°C to +125°C

Temperature probe length 100mm

Measurement accuracy ±0.1°C

Measurement resolution 0.01°C

Measurement range 0.000000

Accuracy class A class

Accuracy class B class

Measurement range 0.000000

Measurement range up to 1000

Case length 100mm

Material stainless steel

Notes Individually calibrated type

Introducing the SensGuard PT100HA stainless steel temperature sensor designed for temperature monitoring and logging of 4-20mA and 0-5VDC signals.

The sensor works from two steel terminals fitting in a panel. Temperature measurement accuracy is 0.1°C and resolution is 0.01°C.

It has a short lead length sensor probe for use in tight spaces and can withstand high temperature measurements.

Introducing the SensGuard PT100HA stainless steel temperature sensor designed for temperature monitoring and logging of 4-20mA and 0-5VDC signals.

Features

- Industrial temperature sensor
- Stainless steel terminals
- Probe grade
- Extended temperature range
- High accuracy stainless steel

Save delivery to a sensor using:

- SensGuardPT100HA low profile



SenaGuard TCP LR32 Data Collector



Protocols supported

Modbus RTU/Modbus TCP
Modbus ASCII
Modbus RTU/Modbus ASCII

Temperature data range

-40°F to +140°F

Temperature data frequency

1 minute

Max. point configuration

4096

Max. channels

Up to 16 channels per unit
4096

Internal memory

16 channels x 1024 points x 16 bit
256K x 16 bit

Configuration

App

Configuration port

USB

Power supply

24Vdc (typical) to 28Vdc

Dimensions

Standard

Weight

2.65 lbs (1.2 kg)

Notes

Standard 16 channel app

Seneca Instruments is proud to provide monitoring systems gateway functionality for the leading data from different types of temperature and humidity sensors.

This gateway supports data collection from up to 4096 sensors, communications channels to wireless sensors to capture data. It has a standard app port for connections to external hosts, and provides a secure web interface for viewing the data online regarding general.

Seneca Instruments TCP LR32 data gateway has internal memory for storing data during a loss of any external communications. In the gateway will use remote storage, and will upload the data to the cloud automatically once the connection is restored.

Features

- Supports 16 types sensors
- Communications up to 4096 IPADs
- 4096 channels

ACCESSORIES

Welcome to Fembliss Accessories section, where you'll find everything you need to complement your existing equipment and optimize your setup.

We are offering different accessories that are designed to work seamlessly with Fembliss devices, ensuring flawless installation and reliable operation. Whether you need mounting brackets, cables, adapters, or other accessories, we've got you covered.

Our accessories are manufactured to the highest standards, using top-quality materials and the latest technology. They are durable, reliable, and easy to use, making them the perfect choice for both personal and professional use.





High-Power Drivener

Drives large screws
or bolts for deepening
walls.



Large-Handle Drivener

Drives the large
driving screws.



Large-Handle Drivener

Drives large screws
for deepening walls.



Powerful adhesive tape

Strong adhesive tape used for
fixing appliances up
walls.



Uniform Screws

Use evenly spaced
screws for the
mounting plate to operate.



Wall Adapter

Drives the screws
adapter for brackets that
will pass.



Universal Mini-Kit Circuit Breaker

Drives large screws
through the
adapter to the hole, use
to fix device.



Power cord

Power cord with
power for electrical
equipment.



Double Insulation

Double Insulation for
extra protection, that
prevents unwanted
current.



Wire Mount

Mounting the device
on the wall.



Universal Small Drivener for 1/4" x 3/8"

Drives screws for
mounting on the
wall or pipe.

SensMax®
SensGuard için tasarlanmıştır



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