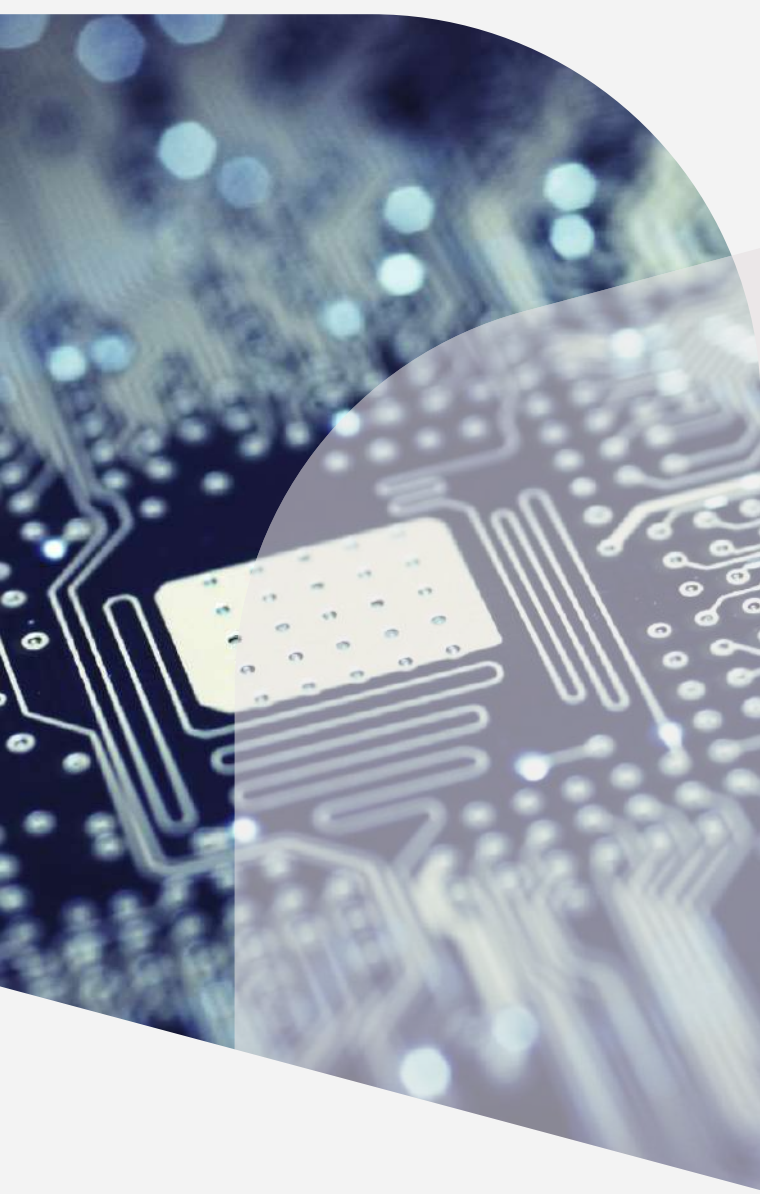
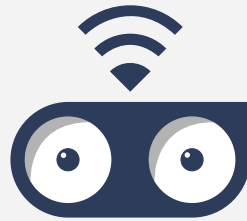




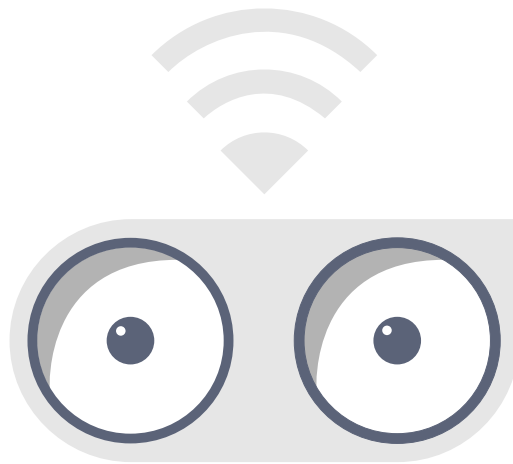
PRODUCT CATALOGUE



OR-TAK

ZONE TRACKING SYSTEM

"YOUR DATA IS UNDER YOUR TRACKING"



OR-TAK
ZONE TRACKING SYSTEM

"YOUR DATA IS UNDER YOUR TRACKING"

INDEX

- OR-TAK Zone Tracking System
- Mobile Application
- MM-01X Large Master Module
- MM-02X Small Master Module
- SM-310 Temperature & Humidity Sensor Module
- SM-320 Temperature, Humidity & Carbon Dioxide Sensor Module
- SM-410 Water Consumption Module
- SM-420 Loadcell Tracking Module
- WM-310 Temperature Wifi Sensor Module - 1 NTC
- WM-320 Temperature & Humidity Wifi Sensor Module
- WM-410 Temperature, Humidity & Carbon Dioxide Wifi Sensor Module
- WM-510 Temperature Wifi Sensor Module - 8 NTC

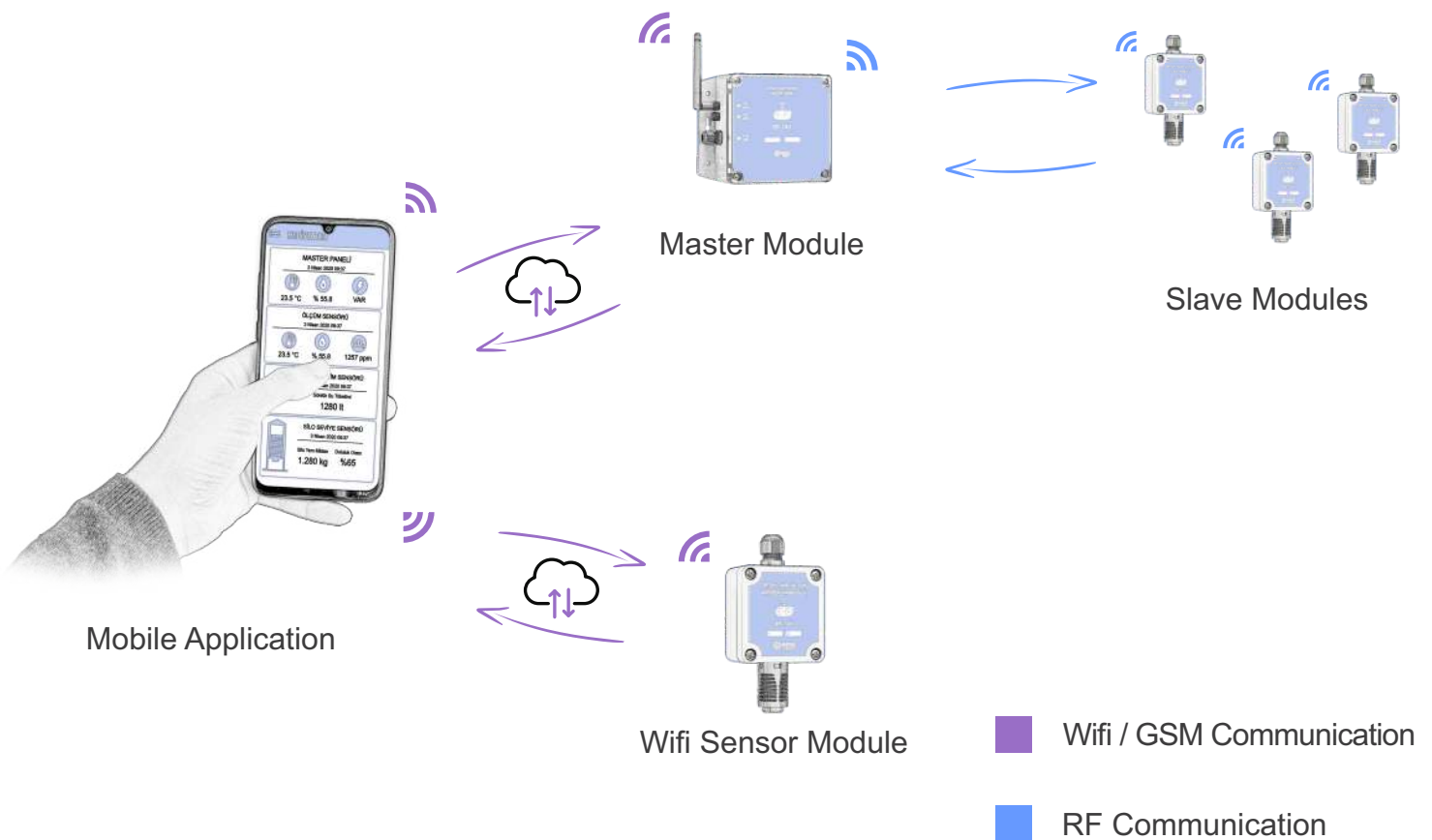


OR-TAK ZONE TRACKING SYSTEM

WHAT IS IT?

It is an IOT-based tracking, recording and analysis system that enables monitoring and analysis of any environment (Production Facility, Warehouse, Living Area etc.) via mobile application. According to user's request, the selected sensors are connected to the designated areas and the user can instantly tracking with their mobile phone.

HOW THE SYSTEM WORKS?



The measuring slave modules communicate with the master module by sending **Rf** signals. The master module transmits this data to the OR-TAK mobile application using **Wifi** or **Gsm** signals. The user can follow the system instantly from the mobile application panel. In addition, you can find the opportunity to measure in smaller areas with our wifi sensor modules. Our wifi sensor modules transmit the measurements made instantly to the user panel via **Wifi**.

WHAT ARE THE SENSOR TYPES?

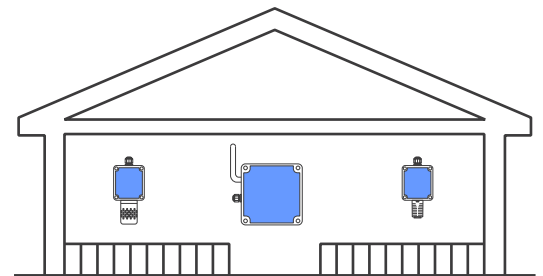
Temperature, Temperature & Humidity, Temperature, Humidity & Carbon Dioxide, Differential Pressure, Water Consumption and Loadcell Tracking Sensors are available in our OR-TAK Zone Tracking System. User can add 10 of these sensors into the system. It is possible to communicate with our Master modules and RF modules up to 500 meters in open space.

SCENARIO 1 - COOP

MM-010 Large Master Module

SM-310 Temperature & Humidity Sensor Module

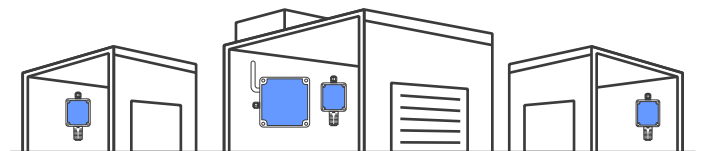
SM-320 Temperature, Humidity & (CO₂) Sensor Module



SCENARIO 2 - FRUIT DEPOT

MM-010 Large Master Module

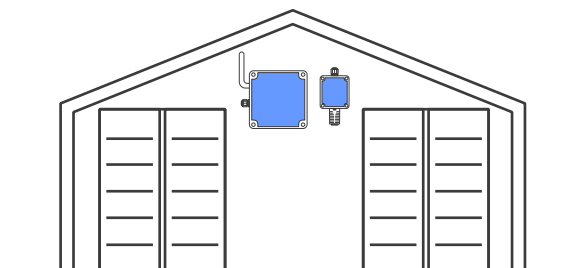
SM-310 Temperature & Humidity Sensor Module x 3



SCENARIO 3 - SUPERMARKET

MM-010 Large Master Module

SM-310 Temperature & Humidity Sensor Module





OR-TAK ZONE TRACKING SYSTEM MOBILE APPLICATION

OR-TAK MOBILE APPLICATION

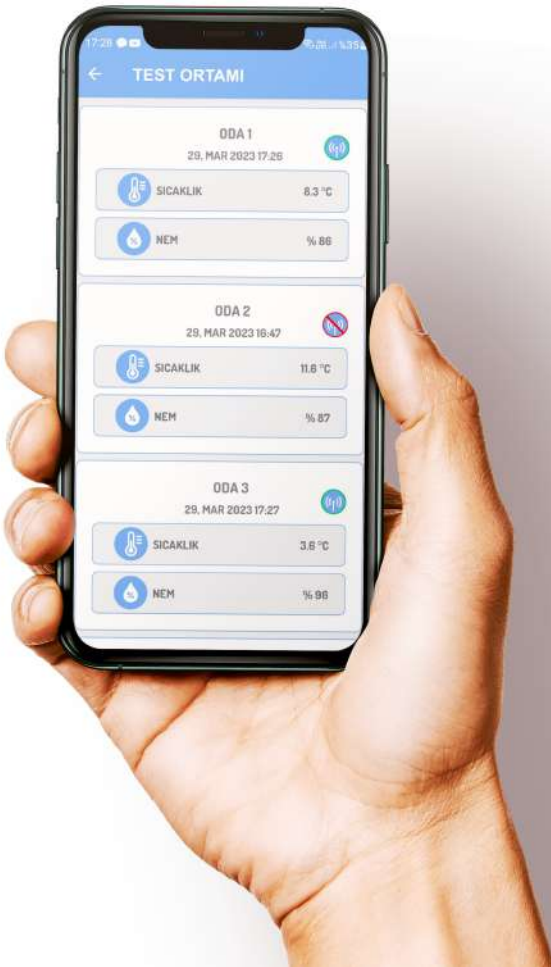
INSTANT TRACKING VIA MOBILE APPLICATION

USER SPECIFIC DESIGN WITH MODULAR STRUCTURE

PAST DATA TRACKING WITH DATALOGGER FEATURE

NOTIFICATION WARNING SYSTEM

EASY ANALYSIS WITH GRAPHICAL DISPLAY

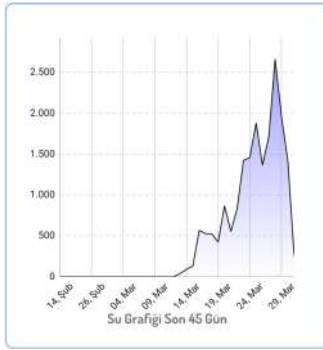


You can download IOS and ANDROID versions of our mobile application for free on Google Play, AppGallery and App Store.
You can call us or send an e-mail to get more detailed information.



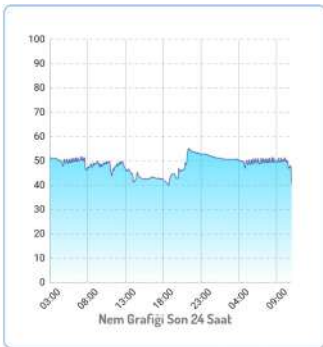
USER INTERFACE

System monitoring is done via our free mobile application. Multiple user definitions can be made to the app. A separate panel opens for each user. Your panel is categorized according to the area and usage purposes you specify. For each category there is a sign showing the wifi, gsm connection and the activity or passivity status of the connection.



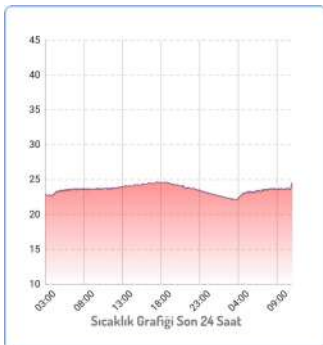
INSTANT TRACKING

The user can follow the system instantly through the mobile application. Sensor record measurement values in 4-minute periods.



24-HOUR CHART

For detailed tracking, the measured data of the last 24 hours is displayed in graphic form and provides easy tracking and analysis for the user.



DETAILED REPORT

Detailed reports and graphics for the sensors can be accessed from the reports menu. All measurement data in selected range can be accessed by selecting the date range and sensor name.



OR-TAK ZONE TRACKING SYSTEM MASTER MODULES

MM-01X // LARGE MASTER MODULE

Easy Installation

WIFI / GSM Communication

RF Communication

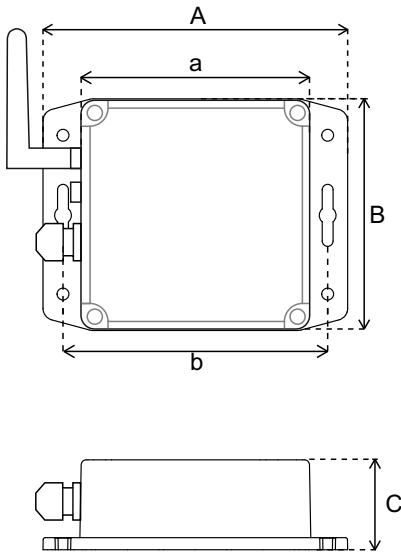
Long Communication Range

IP 67 Plastic Case

Phase Information (Optional)



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	MM-01X Large Master Module
Input	12 V DC
Communication	433 Mhz RF Wireless Communication Wifi 2.4 Ghz GSM M2M 2G

Product Code

Option

Dimensions

Product Code	Option	Dimensions		
MM-010	GSM	A	B	C
MM-011	GSM + Phase Information	160 mm	120 mm	66 mm
MM-012	Wi-Fi	a	b	
		120 mm	138 mm	



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MM-02X // SMALL MASTER MODULE

Easy Installation

WIFI / GSM Communication

RF Communication

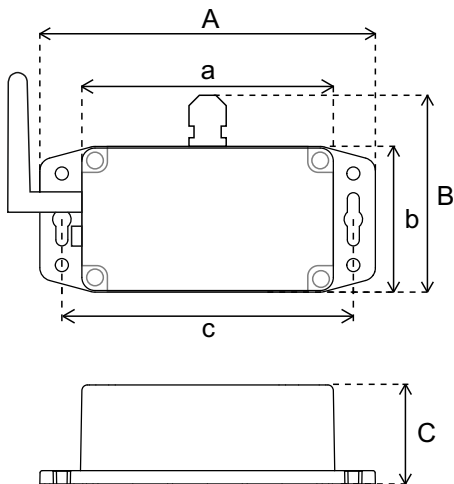
Long Communication Range

IP 67 Plastic Case

Temperature & Humidity or
Temperature, Humidity and CO₂ Sensor (Optional)



TECHNICAL SPECIFICATIONS



Product Informations				
Product Name	MM-02X Small Master Module			
Input	12 V DC			
Communication	433 Mhz RF , GSM M2M 2G			
Sensor	Measuring Range	Sensitivity	Accuracy	
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,3 °C	
Humidity	0 - 100 %	± % 1	± % 3	
Carbon Dioxide	0-5.000 ppm / 0-10.000 ppm	± 10 ppm	± 50 ppm	
Product Code	Option	Dimensions		
		A	B	C
MM-020	GSM	152 mm	87 mm	60 mm
MM-021	GSM + Temp.& Humidity	a	b	c
MM-022	GSM + Temp. Humidity & CO2	115 mm	65 mm	133 mm



SM-310 // TEMPERATURE & HUMIDITY SENSOR MODULE

Accurate and Precise Measuring

RF Communication

Long Operating Life

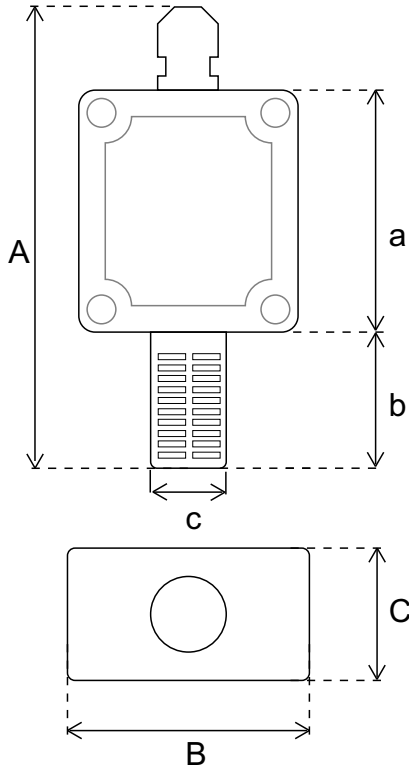
Cleanable Filter

Easy Assembling

IP 67 Plastic Case (Not Including Sensor)



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	SM-310 Temperature Humidity Sensor Module
Input	12 V DC
Communication	433 Mhz RF Wireless Communication

Sensor	Measuring Range	Sensitivity	Accuracy
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,3 °C
Humidity	0 - 100 %	± % 1	± % 3

Dimensions

A	B	C	a	b	c
122 mm	58 mm	35 mm	64 mm	36 mm	20 mm



SM-320 // TEMPERATURE, HUMIDITY & CO₂ SENSOR MODULE

Accurate and Precise Measuring

RF Communication

Durable and Handy Design

Long Operating Life

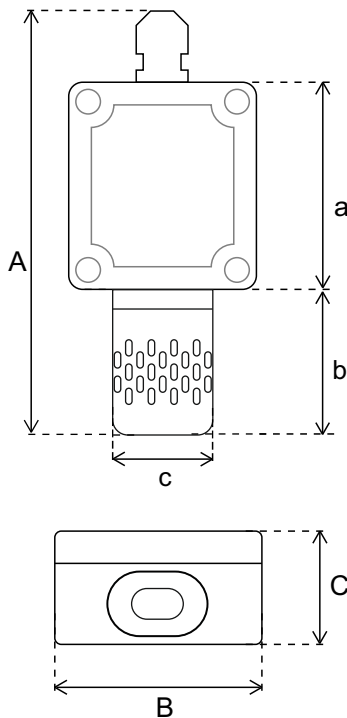
Cleanable Filter

Easy Assembling

IP 67 Plastic Case (Not Including Sensor)



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	SM-320 Temperature, Humidity & CO ₂ Sensor Module
Input	12 V DC
Communication	433 Mhz RF Wireless Communication

Sensor	Measuring Range	Sensitivity	Accuracy
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,3 °C
Humidity	0 - 100 %	± % 1	± % 3
Carbon Dioxide	0-5.000 ppm / 0-10.000 ppm	± 10 ppm	± 50 ppm

Dimensions

A	B	C	a	b	c
138 mm	58 mm	35 mm	64 mm	52 mm	32 mm



OR-TAK ZONE TRACKING SYSTEM RF SENSOR MODULES

SM-410 // WATER CONSUMPTION MODULE

Accurate and Precise Measuring

RF Communication

Daily Water Consumption

Long Operating Life

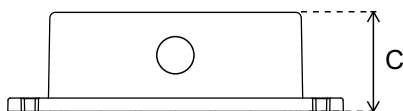
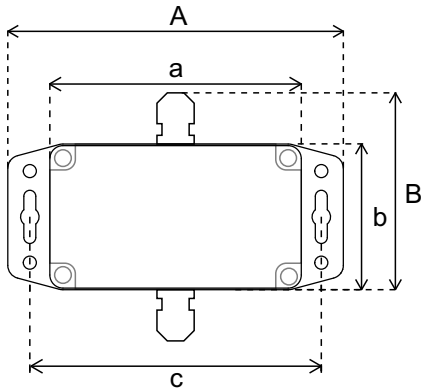
Easy Assembling

IP 67 Plastic Case



It is the module that transfers the data from pulse output water meter to themobile application.

TECHNICAL SPECIFICATIONS



Product Informations

Product Name	SM-410 Water Consumption Module
Input	12 V DC
Communication	433 Mhz RF Wireless Communication

Device

Pulse Output

Water Meter	1-10 Pulse
-------------	------------

Dimensions

A	B	C	a	b	c
152 mm	109 mm	60 mm	115 mm	65 mm	133 mm



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SM-420 // LOADCELL TRACKING MODULE

Accurate and Precise Measuring

RF Communication

Low Energy Consumption

Long Operating Life

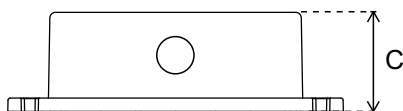
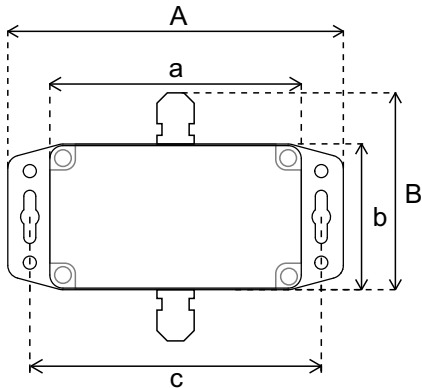
Easy Assembling

IP 67 Plastic Case



It is the module that transfers the data from RS 232 communication output loadcell to the mobile application.

TECHNICAL SPECIFICATIONS



Product Informations

Product Name	SM-420 Loadcell Tracking Module
Input	12 V DC
Communication	433 Mhz RF Wireless Communication

Device

Communication

Loadcell	RS 232
----------	--------

Dimensions

A	B	C	a	b	c
152 mm	109 mm	60 mm	115 mm	65 mm	133 mm



OR-TAK ZONE TRACKING SYSTEM WIFI SENSOR MODULES

WM-310 // TEMPERATURE WIFI SENSOR MODULE - 1 NTC

Accurate and Precise Measuring

Wifi Communication

Long Operating Life

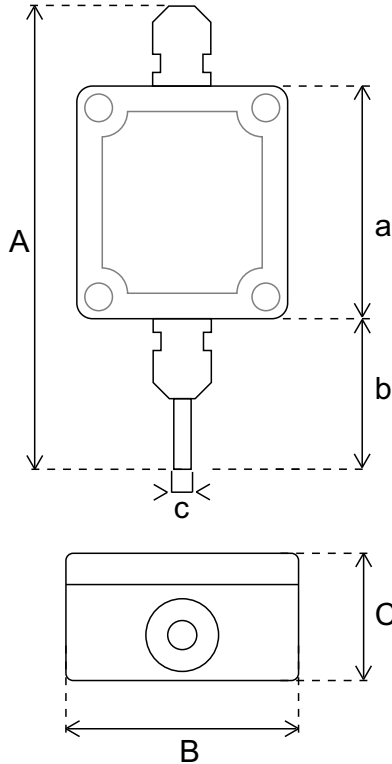
Easy Assembling

IP 67 Plastic Case

Sensor cable lenght can be changed (0-10m) according to demand
Metal probe lenght can be selected as 50mm or 100mm.



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	WM-310 Temperature Wifi Sensor Module - 1 NTC
Input	12 V DC
Communication	Wifi 2.4 GHz

Sensor	Measuring Range	Sensitivity	Accuracy
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,5 °C

Dimensions

A	B	C	a	b	c
135 mm	58 mm	35 mm	64 mm	50 mm	6 mm



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WM-320 // TEMPERATURE & HUMIDITY WIFI SENSOR MODULE

Accurate and Precise Measuring

Wifi Communication

Long Operating Life

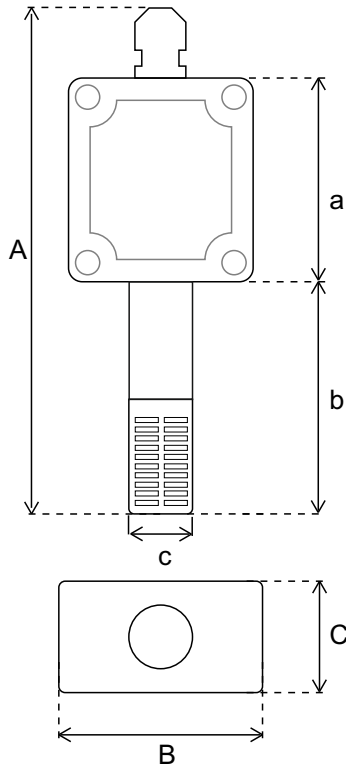
Cleanable Filter

Easy Assembling

IP 67 Plastic Case (Not Including Sensor)



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	WM-320 Temperature & Humidity Wifi Sensor Module
Input	12 V DC
Communication	Wifi 2.4 GHz

Sensor	Measuring Range	Sensitivity	Accuracy
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,3 °C
Humidity	0 - 100 %	± % 1	± % 3

Dimensions

A	B	C	a	b	c
164 mm	58 mm	35 mm	64 mm	78 mm	20 mm



WM-410 // TEMPERATURE, HUMIDITY & CO₂ WIFI SENSOR MODULE

Accurate and Precise Measuring

Wifi Communication

Durable and Handy Design

Long Operating Life

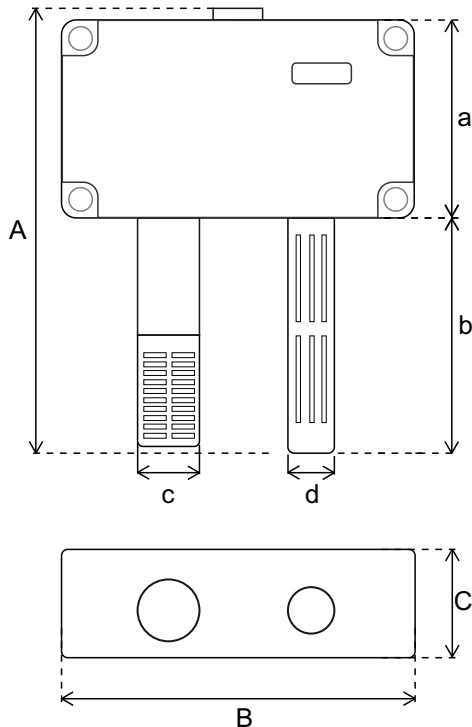
Cleanable Filter

Easy Assembling

IP 67 Plastic Case (Not Including Sensor)



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	WM-410 Temperature, Humidity & CO ₂ Wifi Sensor Module
Input	12 V DC
Communication	Wifi 2.4 GHz

Sensor	Measuring Range	Sensitivity	Accuracy
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,3 °C
Humidity	0 - 100 %	± % 1	± % 3
Carbon Dioxide	0-5.000 ppm / 0-10.000 ppm	± 10 ppm	± 50 ppm

Dimensions

A	B	C	a	b	c	d
144 mm	115 mm	40 mm	65 mm	78 mm	20 mm	16 mm



WM-510 // TEMPERATURE WIFI SENSOR MODULE

Accurate and Precise Measuring

Wifi Communication

Long Operating Life

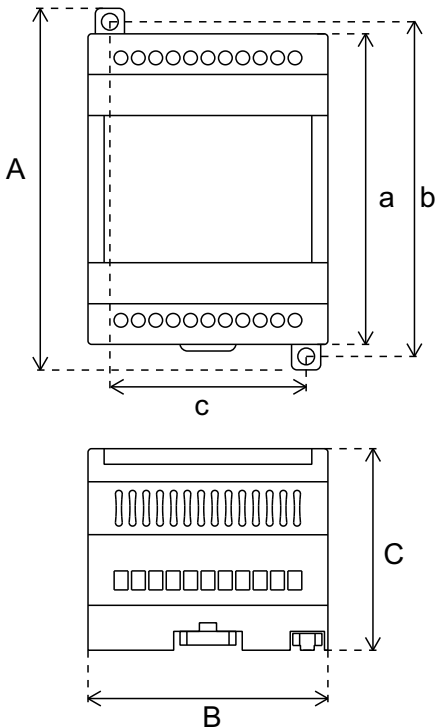
Rail Type Case

Easy Assembling

8 Sensor Inputs



TECHNICAL SPECIFICATIONS



Product Informations

Product Name	WM-510 Temperature Wifi Sensor Module
Input	12 V DC
Communication	Wifi 2.4 GHz

Sensor	Measuring Range	Sensitivity	Accuracy
Temperature	0 - 50°C / (-20) - (+80)°C	± 0,1 °C	± 0,5 °C

Dimensions

A	B	C	a	b	c
105 mm	70 mm	59 mm	90 mm	98 mm	57 mm



SPECIAL PROJECT DESIGN

- Slave and Master Module Design for Projects
- Sensor Model or Number of Sensors Revisions
- Special Application or Program Design for Projects
- Structural Revisions
- Software Revisions
- Sensor Revisions
- Reporting Interface Revisions
- Notification System Revisions



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