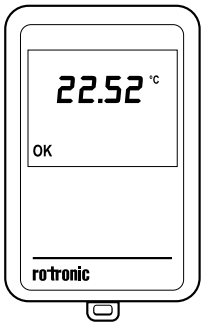
rotronic
MEASUREMENT SOLUTIONS
a DwyerOmega brand

QUICK SETUP GUIDE

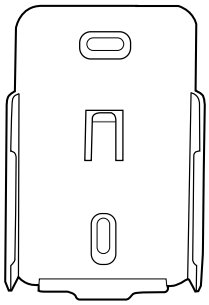
RMS WiFi Datalogger

www.rotronic.com/rms
Grindelstrasse 6, 8303 Bassersdorf, Switzerland

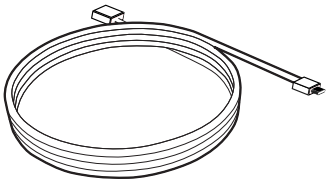
Package Contents



WiFi Datalogger

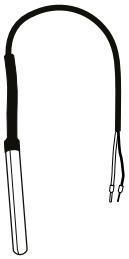


Datalogger Holster

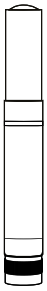


USB A to USB C Cable

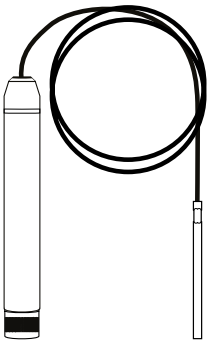
Please order the additional accessories as required.



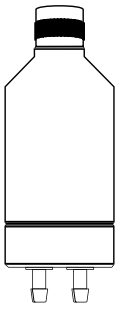
T10 - Series Digital Probe



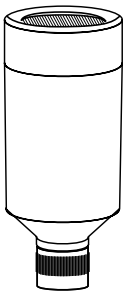
HCD Probe



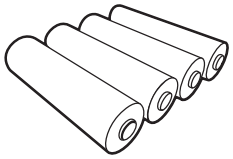
TCD Probe



PCD Probe



CCD Probe



Batteries[1]

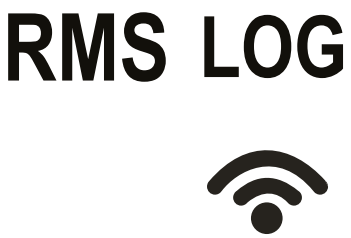
Thermal Buffer[2]

[1] We recommend using Energizer AA 1.5V Lithium batteries.
[2] Only compatible with T10-0009 NTC temperature probe.

Setting Up Your Datalogger

Have your devices been pre-configured? If yes, please carry out the following steps.

1. Insert four 1.5V batteries into the back of the datalogger. This will turn on the device.
2. Verify that the WiFi, RMS, LOG symbols are visible.
3. Your datalogger is now connected to the network and to RMS.



If the devices have not been pre-configured, please follow these steps:

Download the RMS-APP

1. Use your smartphone's Camera app or QR code scanner app.
2. Point the camera to the QR Code.
3. Tap the link to redirect you to the application store.
4. You will be redirected directly to the Google Play Store, App Store, or your device's default app store.
5. Then, you can proceed to download it.

Scan for App Store

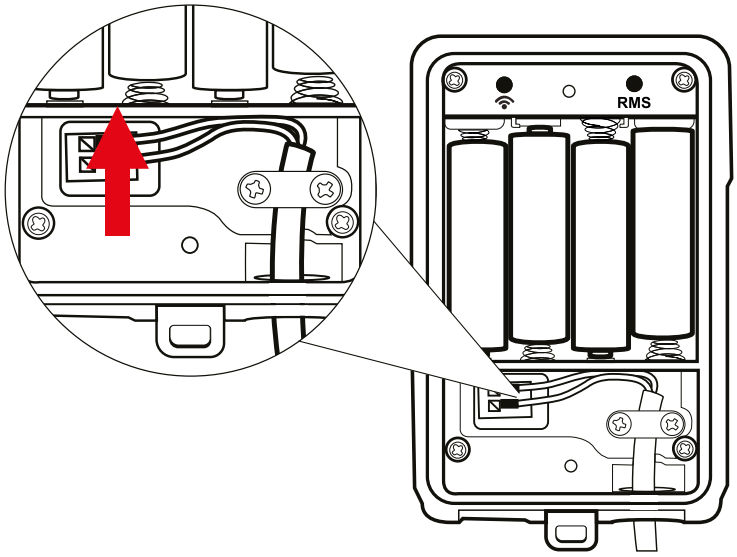
Scan for Google Play

Scan for Windows software

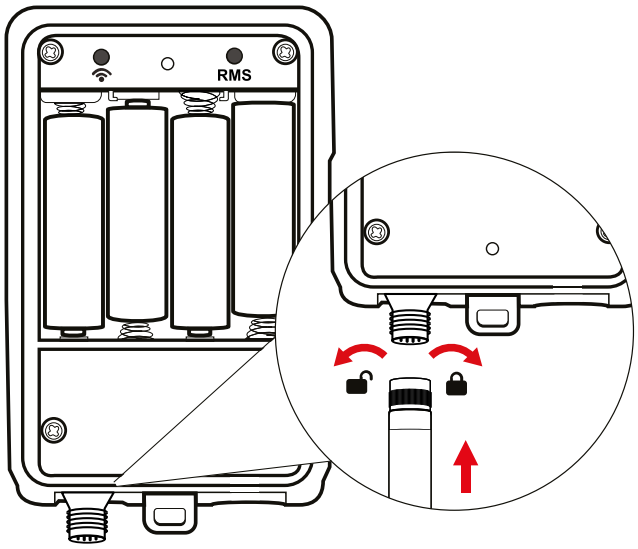
Setting Up Your Datalogger (cont.)

Attach Probe and Add the Batteries

RMS-LOG-T10-W-D



RMS-LOG-W-D



1. Remove the holster and back plate from the datalogger. Insert four 1.5V batteries.

2. Unscrew the cable holder and connect the red (+) and white (-) wires from the sensor to their terminals. Reattach the cable holder, but do not secure the back plate just yet.

3. For HCD, PCD, TCD, or CCD probes, align the probe's male connector with the datalogger's female connector and tighten the nut.

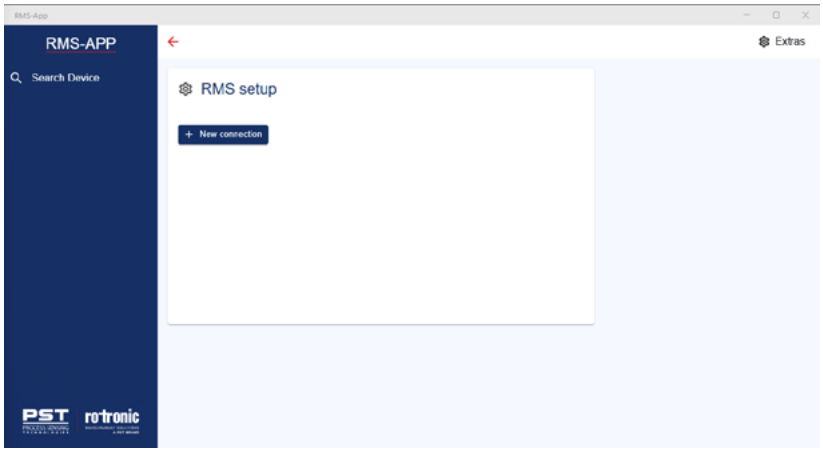
Connect Datalogger to RMS

Adding a LAN Device or Gateway

1.0 – Open the RMS-APP:
Add your RMS.

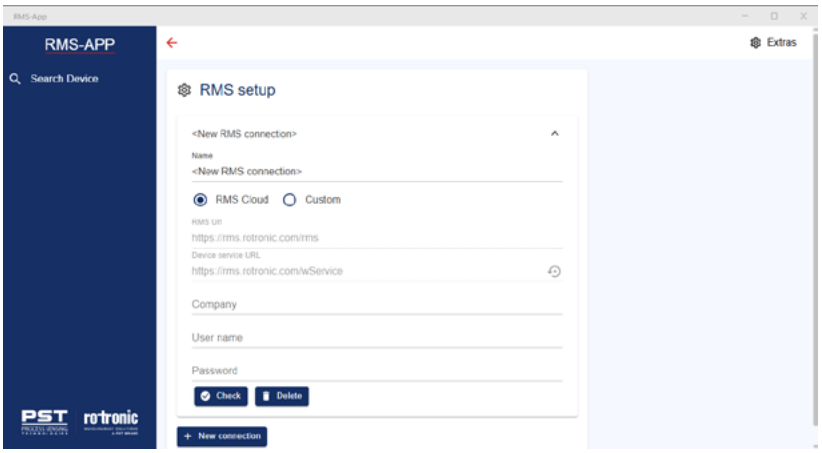
1.1 – Click on Extras, then click on RMS setup.

1.2 – Click on New connection, click on the drop down.



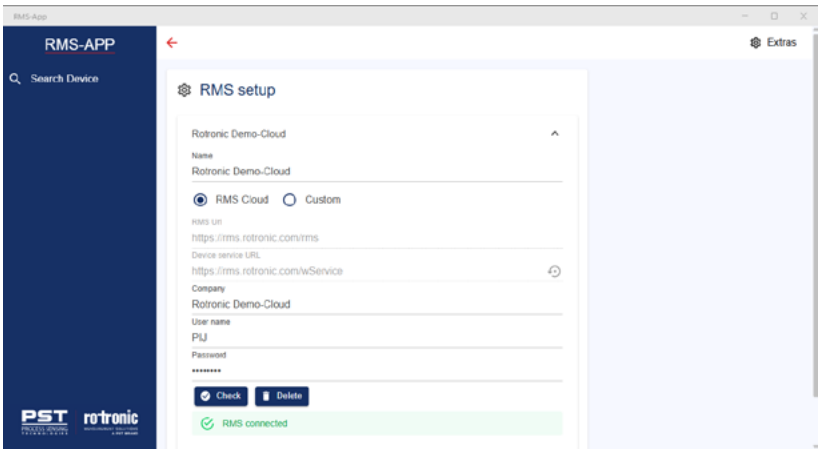
1.3 – Option 1: If you are using the RMS Cloud.

1. Add a name for the connection.
2. Select the RMS Cloud
3. Add the RMS company name.
4. Add your User name.
5. Add your Password.
6. Click on Check.



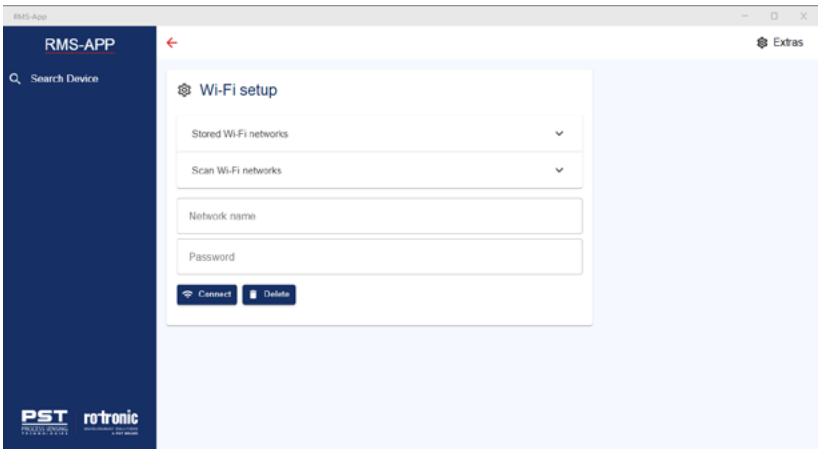
1.4 – Option 2: If you are using the RMS Server.

1. Add a name for the connection.
2. Select Custom
3. Add the **RMS URL:** https://[ServerName]/rms
4. Add the **Device service** URL: https://[ServerName]/wService
5. Add the RMS company name.
6. Add your User name.
7. Add your Password.
8. Click on Check.

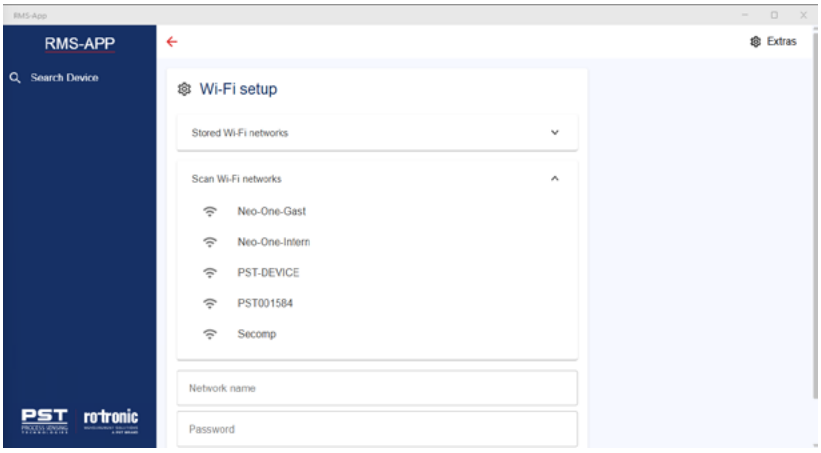


1.5 – Add your WiFi Network that the WiFi loggers will be connected to. Click on Extras. Click on Wi-Fi setup.

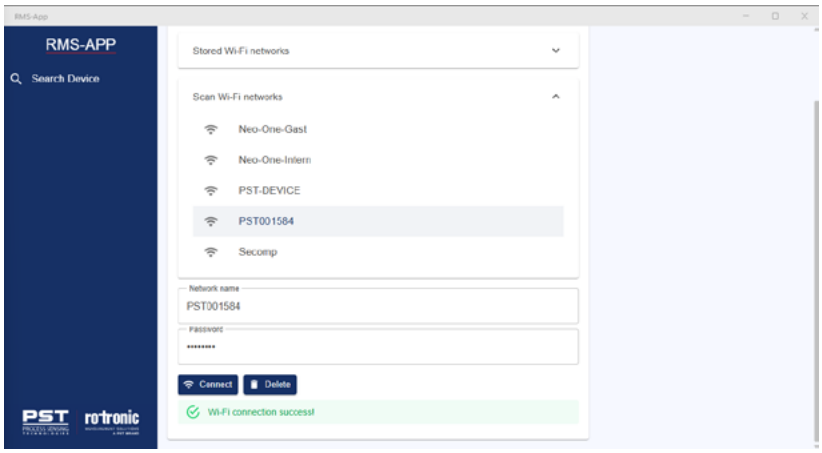
1.6 – Click on Scan Wi-Fi networks.



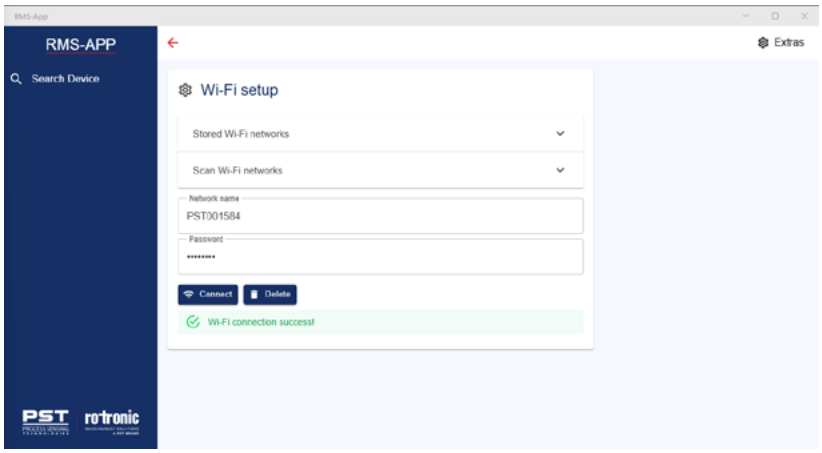
1.7 – Select the Wi-Fi network from the list, it will appear under the network name, then add the password and click on connect.



1.8 – If the network doesn't appear in the setup, simply manually add the Network name and password and click on connect.



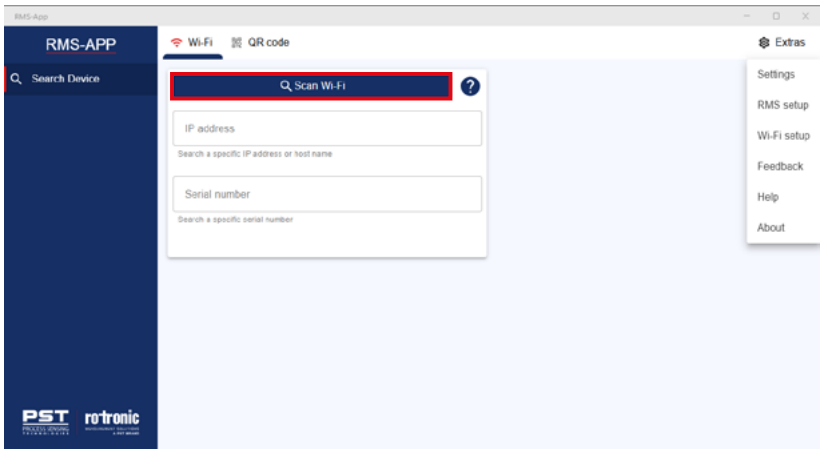
1.9 – Add your Wi-Fi device.



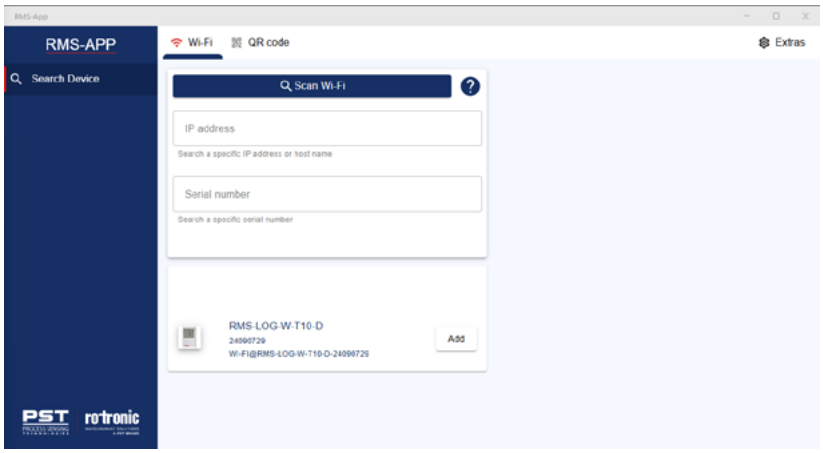
2.0 – Go back to the start page.

2.1 – Ensure that the WiFi device is powered (USB or battery).

1. Scan Wi-Fi.
2. Push on the button on the WiFi datalogger for >5s



3. Click on Scan Wi-Fi.
4. The WiFi datalogger will appear in the list.

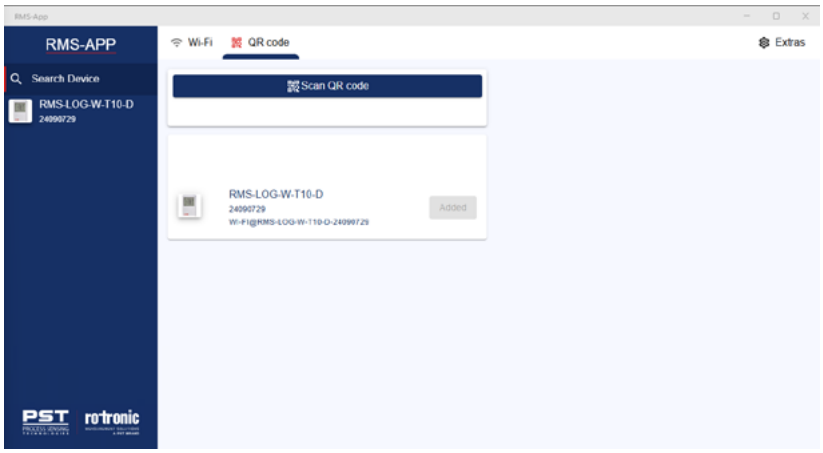


5. Click on Add, the WiFi datalogger will appear in the list of devices on the left-hand side of the screen and the WiFi datalogger will show added.

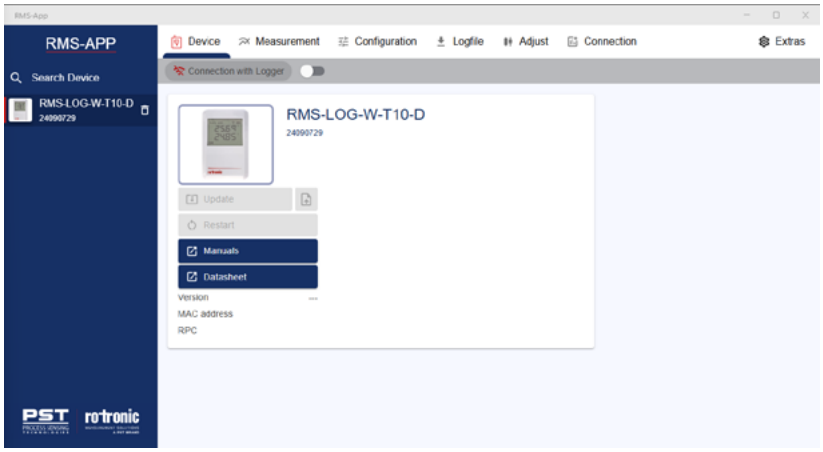
2.2 – Scan QR code

1. Click on Scan the QR code.
2. Your camera will turn on.
3. Scan the QR code on the front of the WiFi datalogger.

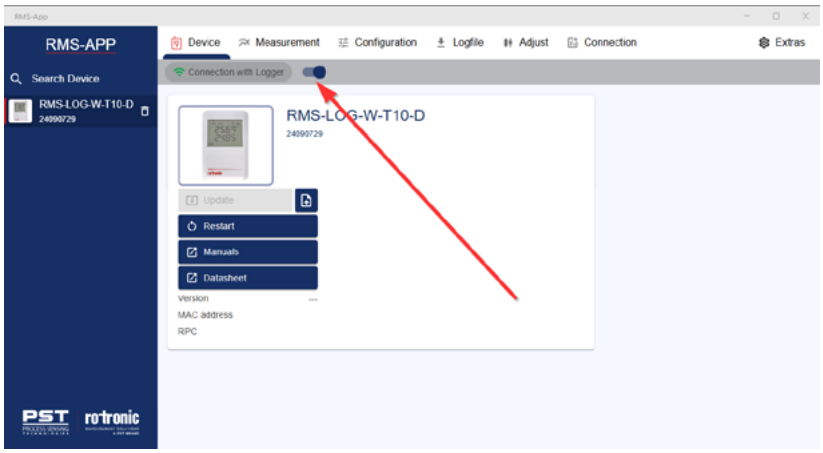
4. The WiFi datalogger will appear in the list.



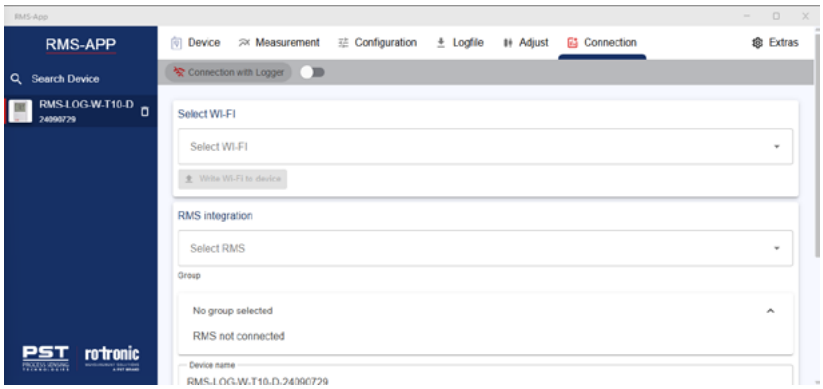
2.3 – Click on Add, the WiFi datalogger will appear in the list of devices on the left-hand side of the screen and the WiFi datalogger will show added.



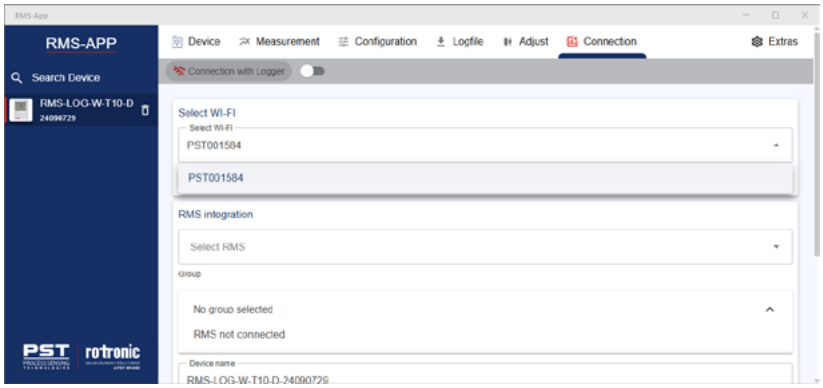
2.4 – Click on Connection with Logger.



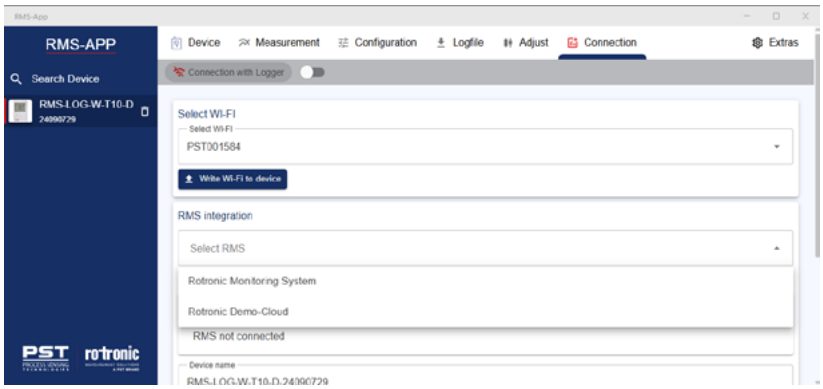
2.5 – Select Wi-Fi. Click on the Select Wi-Fi drop down and select the pre configured WiFi network.



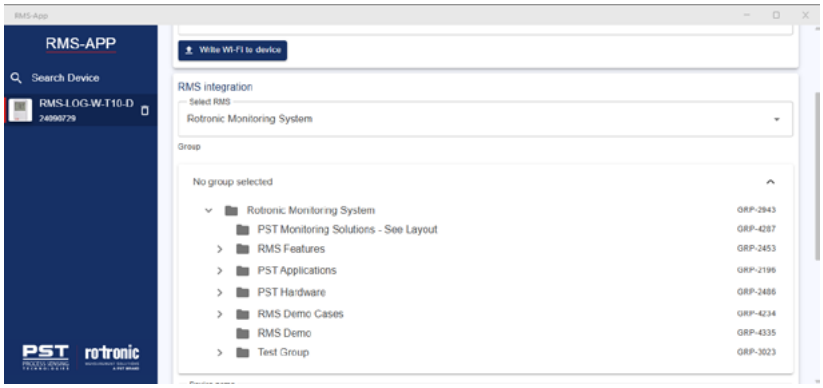
2.6 – Click on Write Wi-Fi to device to add the WiFi networks settings to the WiFi datalogger. Integrate into RMS: Click on select RMS drop down and select the pre configured RMS company.



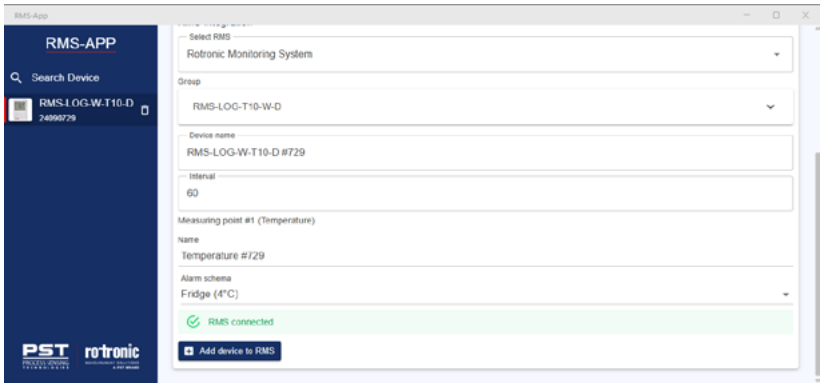
2.7 – Integration into a specific group: Open the group tree and select the group where the WiFi datalogger should be added.



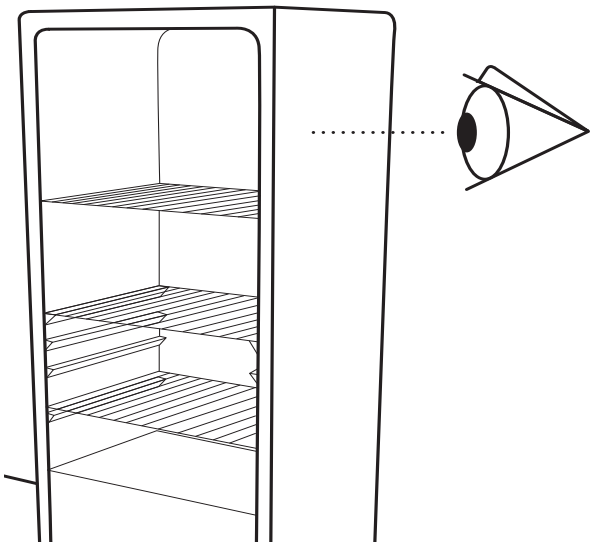
2.8 – Configure the device name, measurement interval, measuring point name and alarm scheme.



2.9 – Click on Add device to RMS.

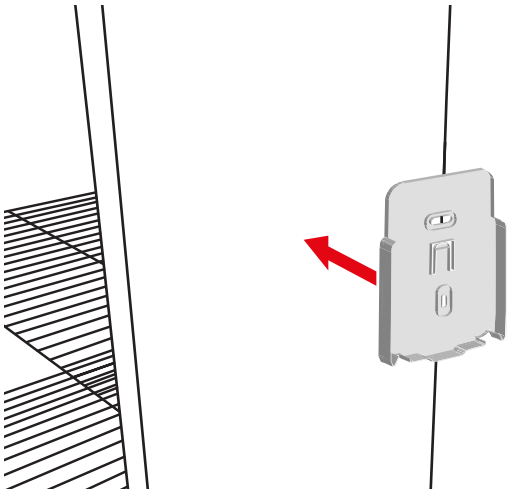


Install Datalogger to Storage Unit (cont.)



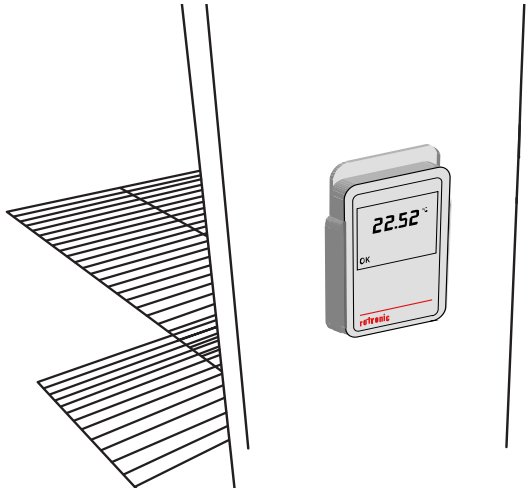
Select the Optimal Location for Datalogger

Select a location for the datalogger that is eye-level or higher, easily accessible for readings and battery changes, within range of the probe's cable length, and within range of the AC Power Cord length (optional).



Attach Holster to Storage Unit

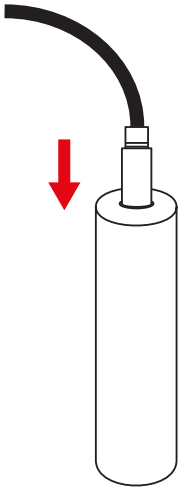
Clean the surface of the determined location. Attach the Datalogger Holster to the storage unit using mounting tape or the screws provided within the package. Insert the datalogger into the holster and secure with a zip tie if required.



Insert Datalogger to Holster

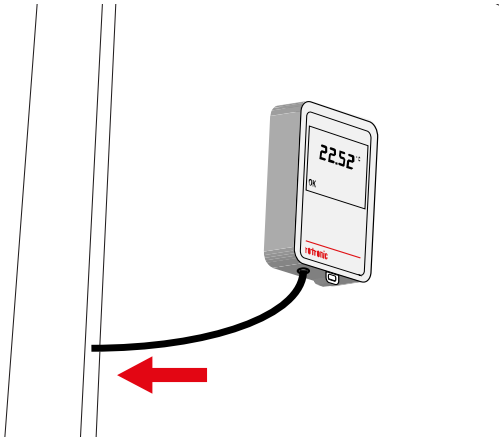
Slide the datalogger into the holster secured on the storage unit. Verify you have installed the probe and batteries prior to this step.

Install Datalogger to Storage Unit



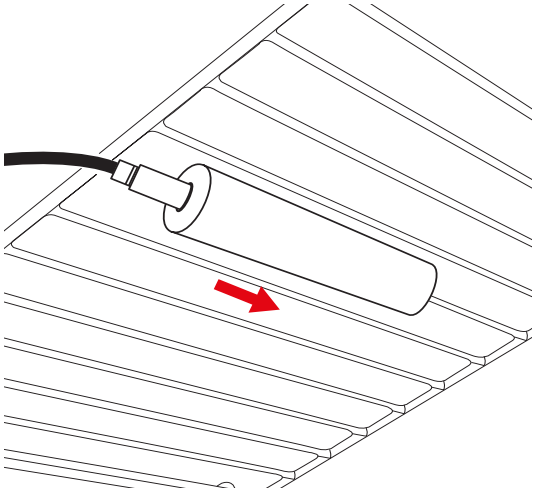
Insert Probe into the Thermal Buffer

Insert the Probe into the thermal buffer.



Feed Probe into the Storage Unit

Feed the Probe through the storage unit's designated probe access port or through the door hinges.

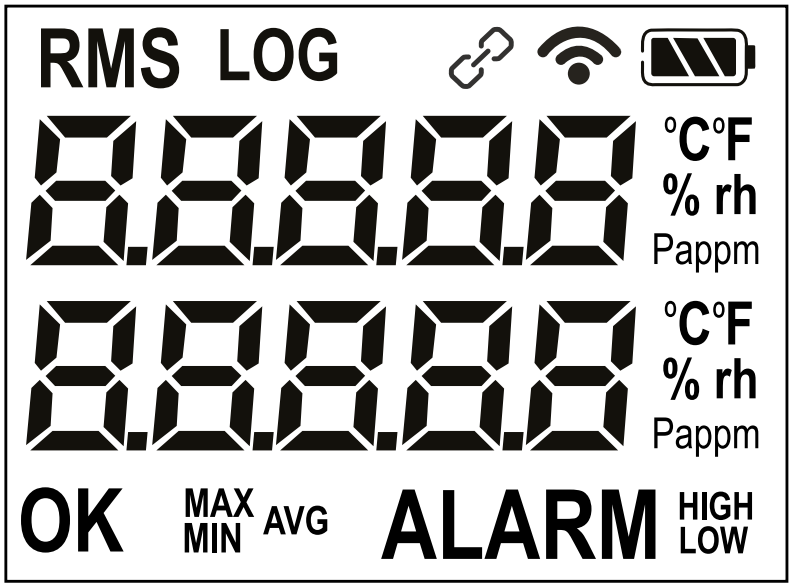


Secure Thermal Buffer to the Storage Unit

Select a location for the thermal buffer on the interior of the storage unit where temperature fluctuations are least prominent on the shelf's underside.

Secure the thermal buffer using zip ties or mounting tape.

Device and Display Guide (cont.)



RMS Indicates if device is currently connected to RMS.

LOG Indicates if device is currently logging values.

Indicates if device is in pairing modus.

Shows device WiFi connectivity strength.

Displays battery power at High, Medium, Low, and Empty.

The measured value, including alarm sign.

°C°F
% rh
Pappm
Parameter unit overview.

MAX MIN AVG Maximum, minimum and average values.

OK Indicates device is running correctly.

ALARM Indicates if an alarm is active.

HIGH LOW Indicates if alarm setting is switched to high or low.

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