SETUP GUIDE

iMatrix NEO-1P Sensor
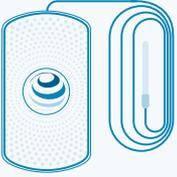
View this quick guide on imatrixsys.com

iMatrix

Step 1
Download iMatrix app.

GET IN ON Google Play

Download on the App Store

Step 2
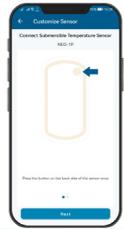Open the app and click on the + icon in the top-right corner of the screen.

Step 3
Scan QR code on the back side of your sensor.

Step 4
Follow instructions on the screen of your phone.

Step 5
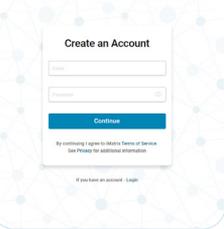Give your NEO-1P a unique name and take a photo (optional).

Step 6
View your sensor measurements.

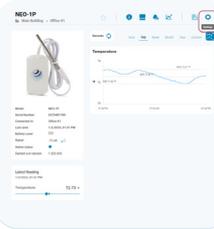## GET MORE FROM YOUR NEO-1P SENSOR WITH THE WEB INTERFACE

Step 7
On your computer, go to cloud.imatrixsys.com/registration to create an account and store data.
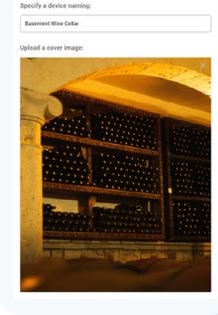
Step 8
Access settings interface by selecting the cogwheel Icon in the top right corner of a sensor dashboard.

Step 9
Customize your NEO-1P. Give it a name, for example, "Wine Cellar" and upload a picture of that Location.

Step 10
In Advanced view you can enable or disable **Displayed Parameters** by selecting and deselecting checkbox near each parameter.
You can also change order of displayed parameters. To do this click and hold Drag icon (⠿) and move the parameter up and down the list.

⠿ Top 2 tracked parameters will be visible in the tile view
☰ Top 3 tracked parameters will be visible in the list view

Displayed Parameters

- ✓ 🌡 Temperature
- ○ 🔋 Battery Voltage

⠿ Top 2 tracked parameters will be visible in the tile view
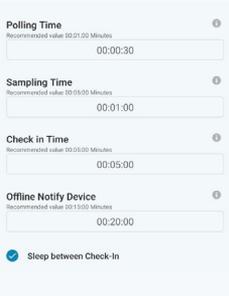☰ Top 3 tracked parameters will be visible in the list view

Step 11
Sensor Performance can be customized In Advanced View of sensor settings.
Polling time is how often the Temperature and Humidity are read.
Sample time is how often this data is saved on your device into onboard Flash memory.
Check-In time is how often the sensor connects to your iMatrix Micro gateway or your Virtual gateway to upload data to the Cloud for graphing and storage.
Sleep between Check-In will stop broadcasting BLE beacons
These settings affect the battery life.
We recommend the default settings.

Polling Time
Recommended value 00:01:00 Minutes
00:00:30

Sampling Time
Recommended value 00:05:00 Minutes
00:01:00

Check in Time
Recommended value 00:05:00 Minutes
00:05:00

Offline Notify Device
Recommended value 00:13:00 Minutes
00:20:00

✓ Sleep between Check-In

NOTIFICATION MANAGEMENT

Step 12

To recieve notifications and alerts select Dashboard – Settings – Notifications and Reports.

In "Channels" box add your e-mail, phone number and number for SMS messages to receive Alerts from your sensor.

Channels

Send emails to...
user@imatrixsys.com

Send SMS to...
🇺🇸 +16084838643

Call...
🇺🇸 +16084838643

Send WhatsApp messages to...
🇺🇸 +16084838643

Message and Data Rates May Apply

Step 13

You can select to which channels you want to receive notifications about different types of events.

Note: To receive Alerts in real-time, you need to be within Bluetooth range with the App running or use an iMatrix Wi-Fi Micro Gateway.

Notifications
About things:

	Voice call	WhatsApp	Email	SMS	None
● Devices Alerts	○	○	○	●	○
● Devices Warnings	○	○	●	○	○
● Devices Advisory States	○	○	●	○	○
● Devices return to Normal State	○	○	○	○	●
● Devices go to online/offline	○	○	○	○	●

Step 14

Select the sensor for which you want to set up an alert notification and click the cogwheel Icon in top right corner.

In the Basic view you can set your **Alarm High** and **Alarm Low** limits, and **Threshold in time** for each parameter separately.
If you need more alert levels (up to 6) you can use Advanced view.

Notification Management

Temperature

Alarm Hight Limit	50	°F	✓
Normal operation			
Alarm Low Limit	10	°F	✓

Threshold Qualification (mm:ss)
00:00

Notification Management

Temperature

Alarm Hight Limit	80	°F	✓
Warning Hight Limit	70	°F	✓
Advisory Hight Limit	65	°F	✓
Normal operation			
Advisory Low Limit	20	°F	✓
Warning Low Limit	15	°F	✓
Alarm Low Limit	10	°F	✓

Threshold Qualification (mm:ss)
00:00

PRO TIPS

- **To turn OFF your NEO-1P** quickly press the button on the back of the unit twice within 2 seconds. If a proper press is detected, the front LED will blink red 3 times and then shut off.
- **To turn ON your NEO-1** make a quick single button press. The green LED will blink 3 times, then blue LED will be blinking for 30 seconds and then stop blinking.
- For instant readings, force a wake-up by pressing the button once on the back of the NEO-1. This will wake the unit for 1 minute, and then it will default to your performance settings.
- You can replace the two AAA batteries by removing four screws on the bottom of the unit in the four corners underneath the brown plastic.
- You can organize multiple locations and group sensors by Location in the navigation window.
- Graph sensors over hours, days, weeks, months, and years and the ability to overlay multiple sensors on one graph.
- Each sensor can generate automatic reports.

AUTOMATE MONITORING PROCESS

You can use **"Virtual Gateway" function** built in the iMatrix mobile app to upload data to the iMatrix Cloud.

Note:

- The App needs to be running and within Bluetooth range to connect to the device and upload the stored data.
- The virtual gateway will upload data based on check-in time, so it can take up to 10 minutes to check in the sensor data and upload it to your account for graphs.

For better performance we recommend using **iMatrix Wi-Fi Micro Gateways** to scan all your sensors and upload the data over Wi-Fi to the Cloud automatically.

Note:

- Micro Gateway will automatically update your sensors with the iMatrix latest firmware.
- You can use multiple Micro Gatewas for a large facility to ensure wireless coverage.
- The sensor's location, relative to your smartphone or Micro Gateway, is required for proper operation. Correct placement will ensure the signal is within range, and an RSSI greater than -89db is best.

If you have problems with your iMatrix device setup, contact support: **support@iMatrixsys.com**