

NEO-1D Wireless Temperature and Humidity Sensor with Display

NEO-1D is a sensor and a data logger with a display that can wirelessly monitor temperature, humidity, VPD, Heat Index, Dew Points for up to 3+ years on battery power and send security alerts to your smartphone.



Temperature



Humidity



Heat Index



Dew Point



VPD



Bluetooth 5.2



Mesh Technology



OTA Updates

This BLE sensor boasts high precision sensors with an accuracy of $\pm 0.2^{\circ}\text{C}$ for temperature, ensuring reliable data. It is capable of storing over 100K data points, equivalent to one month of sensor data at 1-minute intervals. Users can customize time intervals, set real-time alerts, review historical data, and generate compliance reports.

The e-ink display on the NEO-1D shows current measurements and historical data for the past 24 hours, providing at-a-glance insights. In addition, this sensor delivers accurate, comprehensive logs sent directly to your smartphone or accessible via the iMatrix Cloud.

With its compact size (3.19 x 1.77 x 0.87 in / 81 x 45 x 22 mm), and IP66 waterproof rating, it is perfect for both stationary or portable applications like monitoring cold chain shipments, refrigeration systems, greenhouses, RVs, wine cellars, cigars, musical instruments, and pharmaceuticals.

Key Features

- Get 24 hours a day monitoring with real-time alerts, logs, and reports
- Connect to iMatrix Cloud for World Wide Access
- Manage multiple sensors in multiple locations
- Set and receive alerts directly to smartphone or optionally use the Wi-Fi Micro Gateway (sold separately)
- Organize thousands of sensors with multiple groups & locations
- Upload sensor data to the iMatrix Cloud automatically in real-time with iMatrix SensorMonitor Smartphone App
- Setup sensors in one step – scan QR code with App and you're monitoring



Overview

- Temperature -4°F to 140°F (-25°C to 60°C) ($\pm 0.2^{\circ}\text{C}$)
- Humidity 0% to 100%
- Bluetooth (BLE) 5.2
- Range 100 meters / 330 feet
- Stores 100,000+ data points
- Dimensions 3.19 x 1.77 x 0.87 in (81 x 45 x 22 mm)
- Weight 2.13 oz (60.5 grams)
- IP66 waterproof rating
- E-ink display screen
- Battery life up to 3 years
- Powered by ER14250 battery (1200 mAh)
- FCC,CE,QDID/EPL

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Get NEO-1D at:

<https://imatrixsys.com/neo-1d/>

Ordering part number: **NEO-1D**



iMatrix Cloud

