

NEO-1P Wireless Temperature Sensor with Probe

NEO-1P is a submersible thermometer/temperature sensor and a data logger with a 39-inch cable and 2.75-inch stainless steel probe that can wirelessly monitor the temperature for up to 3+ years on battery power.



Temperature



External Probe



Mesh Technology



OTA Updates

This BLE sensor boasts high precision temperature sensor with an accuracy of $\pm 0.2^{\circ}\text{C}$, 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 NEO-1P monitors air or liquid temperature using a 2.75-inch (7 cm) submersible probe encased in stainless steel, which repels oxidation, rust, and wear and tear from regular use. It also features a 39-inch (99 cm) cable for flexible placement.

The iMatrix NEO-1P sensor delivers accurate, comprehensive logs sent directly to your smartphone or accessible via the iMatrix Cloud. This sensor offers an exceptional solution for monitoring climate-sensitive environments. With its compact size (2.78 x 1.5 x 0.7 in / 70.6 x 38 x 17.8 mm), lightweight design (1.34 oz / 38 grams), and IP66 waterproof rating, it is perfect for 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 -40°F to 212°F (-40°C to 100°C) ($\pm 0.2^{\circ}\text{C}$)
- Bluetooth (BLE) 5.2
- Range 100 meters / 330 feet
- Stores 100,000+ data points
- Dimensions 2.78 x 1.5 x 0.7 in (70.6 x 38 x 17.8 mm)
- Weight 1.34 oz (38 grams)
- Probe 2.75 in (7 cm) & probe cable 39 in (99 cm)
- IP66 waterproof rating
- Battery life up to 3 years
- Powered by 2 Lithium AAA batteries (1100 mAh)
- FCC, CE, QDID/EPL



Get NEO-1P at:

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

Ordering part number: NEO-1P



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iMatrix Cloud

