

## OTraki GM816

# OTraki GM816 Digital Anemometer with Temperature Measurement User Manual

## INTRODUCTION

Thank you for choosing the OTraki GM816 Digital Anemometer. This device is designed for precise measurement of wind speed and temperature, offering reliable data for various applications. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's lifespan.

The OTraki GM816 is a compact and lightweight digital anemometer featuring a built-in thermometer. It is equipped with a 6-blade impeller for high-precision measurements and an easy-to-read backlit LCD screen. Its simple two-button interface allows for convenient one-handed operation, making it ideal for both professional and recreational use.

## PRODUCT FEATURES

- **Wind Speed and Temperature Measurement:** This digital anemometer features a built-in thermometer, allowing simultaneous measurement of wind speed and temperature. Equipped with a 6-blade impeller, it offers higher precision than standard anemometers. Wind speed measurement accuracy:  $\pm 5\% \pm 0.1 \text{dgt}$ , measurement range: 0-30m/s. It includes a high-precision, large-diameter temperature sensor with an accuracy of  $\pm 2^\circ\text{C}$  and a measurement range of  $-10^\circ\text{C}$  to  $+45^\circ\text{C}$  ( $14^\circ\text{F}$  to  $113^\circ\text{F}$ ). Temperature units can be switched between Celsius ( $^\circ\text{C}$ ) and Fahrenheit ( $^\circ\text{F}$ ).
- **Easy Operation:** Simple to use; just start the anemometer and it's ready for immediate measurement. Features only two buttons for convenient one-handed operation. Comes with a silicone cover and strap for a secure grip. A CR2032 lithium battery is included, so there is no need for separate purchase.
- **LCD Display:** The LCD screen features a backlight, enabling clear readings even in dark environments or at night. It can display both wind speed and temperature simultaneously. Designed for energy saving, it includes automatic power-off when idle and automatic backlight shutdown.
- **Lightweight and Portable:** This anemometer is designed for easy one-handed use. Its compact and lightweight nature makes it convenient for outdoor activities such as hiking, cycling, and running. It automatically shuts down after a period of inactivity to conserve energy.
- **Versatile Applications:** This digital anemometer, with its temperature measurement function, can simultaneously measure wind speed and temperature. It is suitable for individuals studying meteorology or those requiring long-term data collection.

## PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package.

- OTraki GM816 Digital Anemometer
- Silicone Protective Cover
- Lanyard
- CR2032 Lithium Battery
- User Manual (English and Japanese)

## パッケージ内容



Image: Contents of the OTraki GM816 Digital Anemometer package.

## SETUP

### Installing the Battery

The OTraki GM816 comes with a CR2032 lithium battery. Follow these steps to install or replace the battery:

1. Remove the yellow silicone protective cover from the anemometer.
2. Locate the battery compartment cover on the back of the device.
3. Insert a coin into the slot on the battery cover and turn it counter-clockwise to open.
4. Insert the CR2032 battery with the positive (+) side facing up.
5. Replace the battery cover by turning it clockwise with a coin until secure.
6. Reattach the yellow silicone protective cover.

**Note:** To prevent battery drain and product damage, ensure the device is powered off when not in use for extended periods.

## 電池交換の操作方法

(ロープとケースがつながっているので、電池を入れるときは取り扱いに注意してください):



黄色のカバーを取り外します



コインを『十』字溝に入れ、  
反時計の方向に回り開けます



電池を入れます



最後、カバーを取付けます

ご注意: バッテリーの消耗や商品の破損を防ぐため、  
使用しない場合は電源を切ってください。



Image: Battery replacement instructions for the OTraki GM816.

## Power On/Off

- **To Power On:** Press and hold the "MODE" button for approximately 2 seconds.
- **To Power Off:** Press and hold both the "MODE" and "SET" buttons simultaneously for 1 second. The device will also automatically power off after a period of inactivity to conserve battery.

## Mode Switching and Unit Selection

The OTraki GM816 features two main modes for display and unit selection:

- **Display Mode:** Press the "MODE" button briefly to cycle through different display modes for wind speed (e.g., current, maximum, average).
- **Unit Selection:** Press and hold the "MODE" button for 3 seconds to enter unit setting mode. The wind speed unit (m/s) will flash, and temperature/wind speed values will disappear. Use the "SET" button to select your desired wind speed unit (m/s, km/h, ft/min, knots, mph) and temperature unit (°C/°F). Press the "MODE" button again to confirm your selection. Settings are saved even after power off.

# 2つのモード切り替え



「MODE」キーを2秒間くらい押せば、電源を入れます。  
「MODE」キーを3秒以上押すと、ユニットが設定状態になり、そして、「m / s」風が表示されます。風速単位が点滅し、温度値/風速値が消えます。



「SET」キーにより選択することができます、そして、  
「MODE」キーを押して確定します、電源を切った後に上記は保存されます。  
「MODE」と「SET」キーを同時に1秒間押せば電源が切ります。



Taking Measurements

Once powered on and units are set, simply hold the anemometer in the desired location. Ensure the impeller is facing the wind direction for accurate readings. The LCD will display real-time wind speed and temperature.



The image shows an OTraki GM816 Anemometer, a handheld device with a black body and orange rubberized edges. It features a large circular impeller at the top, two buttons labeled 'MODE' and 'SET' in the middle, and a blue LCD screen at the bottom. The screen displays '1.8 m/s' and '31.3 °C' with a battery level indicator. The word 'Anemometer' is printed at the bottom of the device.



ビューフォート  
風力階級

*Knotsmph  
m/sKm/hft/min*

風速単位



冷凍表示



風温

**MAXAVG**

最大風速

88:8.8

風速値

°C/°F

風温単位



平均風速



電池電力

Image: OTraki GM816 displaying current wind speed and temperature.

# 片手操作可能



滑り止めケース付き



Image: Demonstrating one-handed operation with the silicone cover.

## MAINTENANCE

### Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the impeller is free from dust and debris for accurate readings.

### Storage

When not in use, store the anemometer in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the battery if storing for an extended period to prevent leakage.

## TROUBLESHOOTING

- **Device does not power on:** Check if the CR2032 battery is correctly installed and has sufficient charge. Replace

the battery if necessary.

- **Inaccurate readings:** Ensure the impeller is clean and rotates freely. Make sure the device is held correctly, with the impeller facing the wind.
- **Display is dim or flickering:** The battery may be low. Replace the CR2032 battery.
- **Temperature reading is incorrect:** Ensure the temperature sensor is not obstructed and is allowed to acclimate to the ambient temperature.

SPECIFICATIONS

| Parameter                     | Value                                                   |
|-------------------------------|---------------------------------------------------------|
| Brand                         | OTraki                                                  |
| Model                         | GM816                                                   |
| Wind Speed Measurement Range  | 0 - 30 m/s                                              |
| Wind Speed Accuracy           | ±5% ±0.1dgt                                             |
| Temperature Measurement Range | -10°C to +45°C (14°F to 113°F)                          |
| Temperature Accuracy          | ±2°C                                                    |
| Display Type                  | Digital LCD with Backlight                              |
| Power Source                  | 1 x CR2032 Lithium Battery (Included)                   |
| Material                      | Polyvinyl Chloride (PVC)                                |
| Color                         | Yellow                                                  |
| Item Dimensions (H x W x D)   | 10.5 cm x 4.5 cm x 2 cm (approximate, based on image)   |
| Item Weight                   | 70 grams                                                |
| Special Features              | Low battery indicator, Auto power-off, °C/°F switchable |

# 商品サイズ



Image: Product dimensions of the OTraki GM816.

## APPLICATIONS

The OTraki GM816 Digital Anemometer is suitable for a wide range of applications, including but not limited to:

- Outdoor work and construction sites
- Fishing and marine activities
- Agriculture and crop management
- Sports (e.g., sailing, paragliding, shooting)
- Drone operation and safety checks
- Meteorological observation and weather studies
- HVAC system testing



工業用



家用



アウトドア用



気象観測用

Image: Diverse applications of the OTraki GM816.

## WARRANTY AND SUPPORT

OTraki products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided on the product packaging or visit the official OTraki website. Keep your purchase receipt as proof of purchase for warranty claims.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**