

# ENGLISH

## User manual



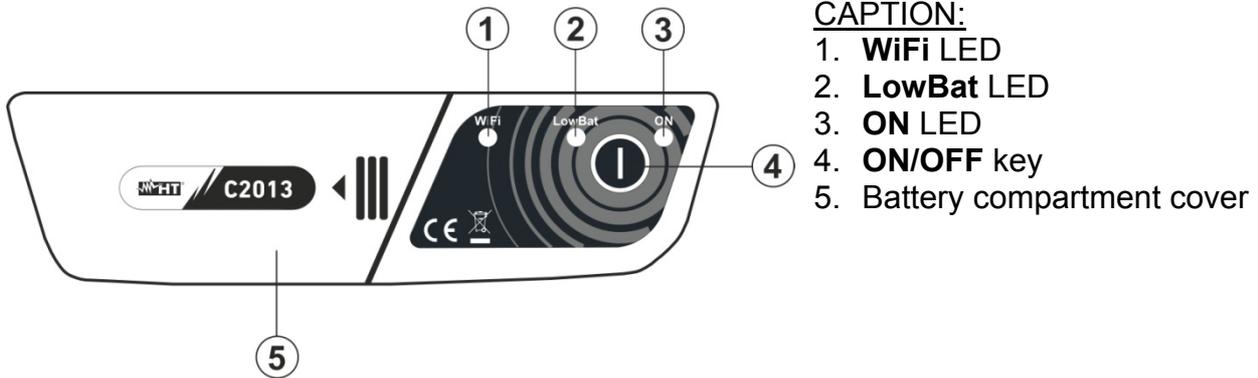
**Table of contents:**

1. INTRODUCTION .....	2
2. DESCRIPTION OF THE ACCESSORY .....	2
3. DESCRIPTION OF FUNCTION KEYS AND INTERNAL LED .....	2
4. USE OF THE ACCESSORY .....	3
4.1. Using the C2013 with a PC .....	3
4.2. Using the C2013 with a Tablet/smartphone .....	4
5. MAINTENANCE .....	4
5.1. General information .....	4
5.2. Battery replacement .....	4
5.3. Cleaning .....	4
5.4. End of life .....	4
6. TECHNICAL SPECIFICATIONS .....	5
6.1. General Characteristics .....	5
6.2. Environmental conditions .....	5

## 1. INTRODUCTION

The accessory **C2013** allows to activate the WiFi connection on MACROTESTG3 and COMBIG3 instruments to transfer the data stored in their internal memory to a PC and/or iOS/Android devices.

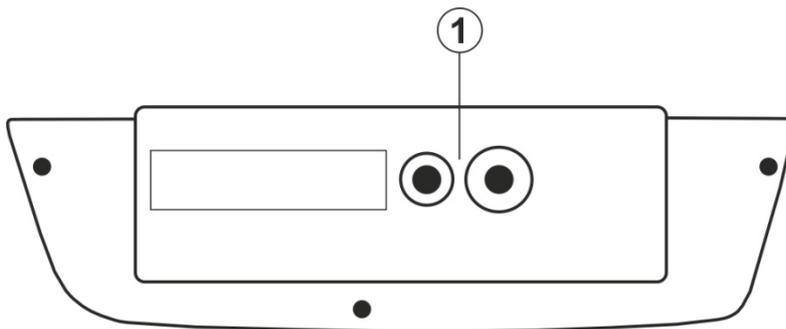
## 2. DESCRIPTION OF THE ACCESSORY



**CAPTION:**

1. **WiFi** LED
2. **LowBat** LED
3. **ON** LED
4. **ON/OFF** key
5. Battery compartment cover

Fig. 1: Description of accessory front part



**CAPTION:**

1. Optical communication port

Fig. 2: Description of accessory rear part

## 3. DESCRIPTION OF FUNCTION KEYS AND INTERNAL LED

Function / LED	Description
<b>ON/OFF</b> key / <b>ON</b> LED	<ul style="list-style-type: none"> <li>➤ Press the <b>ON/OFF</b> key to turn on the accessory. When it switches on, the 3 LED flash twice.</li> <li>➤ In normal operation, the <b>ON</b> LED blinks once every 2s</li> <li>➤ Press and hold the <b>ON/OFF</b> key for about 3s. The <b>ON</b> LED turns on steady for a moment before switching off.</li> </ul>
<b>WiFi</b> LED	The <b>WiFi</b> LED is on and flashing with active WiFi connection between the units connected.
<b>LowBat</b> LED	The <b>LowBat</b> LED indicates the status of the accessory internal batteries. With battery voltage $<2.1V$ (approx.), the LED blinks every 2s. With battery voltage $<1.7V$ (approx.), the accessory is turned off.

## 4. USE OF THE ACCESSORY

The accessory C2013 can be used together with a PC and/or Smartphone/Tablet devices.



### CAUTION

The remote unit C2013 is equipped with an Automatic Power OFF routine that is activated after **about 5 minutes** of no file transfer via WiFi connection. This mode is disabled during each stage of data transfer.

### 4.1. Using the C2013 with a PC



### CAUTION

The connection requires the use of a PC with a WiFi connection up and running (integrated into the PC or by installing a USB-WiFi adapter available in the market, **which cannot be supplied under any circumstances by HT ITALIA**).

1. Switch on the optional accessory C2013. The **ON** LED flashes. Wait for the C2013 recognition by the PC.
2. Insert the C2013 into the serial optical port of the instrument (see Fig. 2 – Part 1).
3. Put the instrument in data transfer mode to a PC (see the corresponding user manual).
4. Activate the WiFi connection on the target PC (ex: by using a WiFi key installed and connected to a USB port, open the "Connect to a network" window by clicking the network icon in the notification area (typically in the bottom right corner of the PC screen), select the network "C2013-xx", click "Connect" and wait for the confirmation of the connection.
5. Launch the TopView software, enter the section "**PC → Instrument Connection**".
6. Select "MACROTESTG3" or "COMBIG3" in the list of HT instruments and set the "**WiFi**" port.
7. Click the "Detect instrument" button (see Fig. 3). Once the instrument recognized, the "**WiFi**" LED on the C2013 flashes together with the "**ON**" LED.
8. Use the TopView software to download the instrument memory contents to a PC. Please refer to the online help of the program itself for any detail regarding the operation.

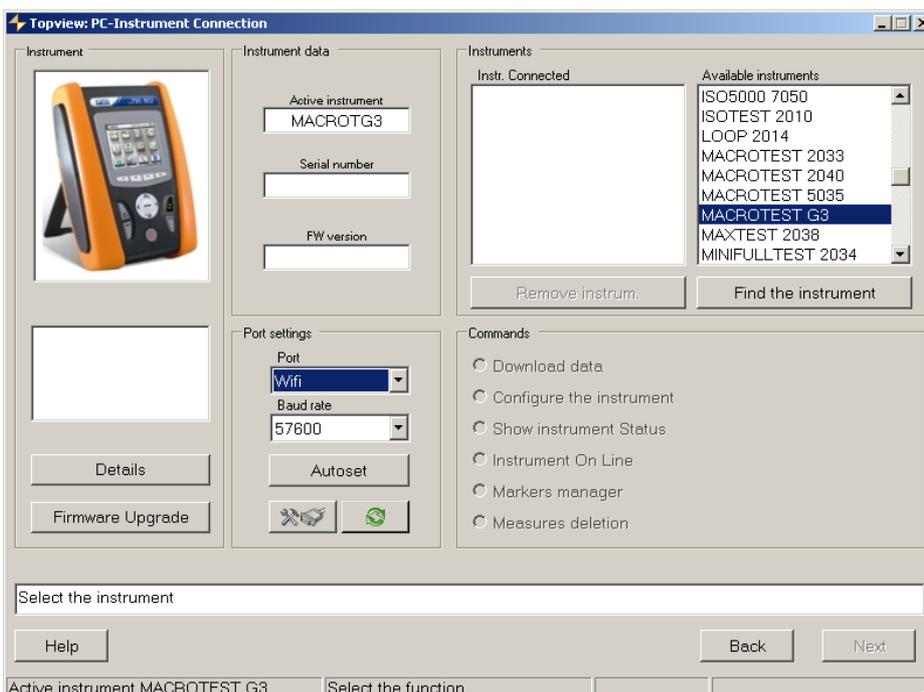


Fig. 3: MACROTEST instrument recognition by TopView software

## 4.2. Using the C2013 with a Tablet/smartphone



### CAUTION

The connection requires the use of a tablet/smartphone with WiFi interface up and running.

1. Switch on the optional accessory C2013. The **ON** LED flashes. Wait for the C2013 recognition by the PC.
2. Insert the C2013 into the serial optical port of the instrument (see Fig. 2 – Part 1).
3. Put the instrument in data transfer mode to a PC (see the corresponding user manual).
4. In the Tablet/smartphone device, open the "Settings" window, select "WiFi" and enable communications (if disabled). Select the network "C2013-xx", click on "Connect" and wait for the confirmation of the connection.
5. Start the "HT" application and select "MACROTESTG3" or "COMBIG3" in the list of instruments.
6. Once the instrument recognized, the "**WiFi**" LED on the C2013 flashes together with the "**ON**" LED.
7. Use the "HT" APP to download the content of the instrument memory to the Tablet/smartphone device.

## 5. MAINTENANCE

### 5.1. General information

1. Carefully observe the recommendations listed in this manual in order to prevent possible damage or danger during use or storage of the accessory.
2. Do not use the accessory in environments with high humidity levels or high temperatures. Do not expose to direct sunlight.
3. If the accessory is not to be used for a long time, remove the batteries to avoid leakage of battery fluid that can damage the internal components.

### 5.2. Battery replacement

The **LowBat** LED flashing indicates that the internal batteries are running low and must be replaced. To do this proceed as follows:

1. Turn off the accessory C2013 holding down the **ON/OFF** key for a few seconds.
2. Open the battery compartment cover (see Fig. 1 - Part 5) by sliding it outward.
3. Remove all batteries and replace them with the same number of batteries of the same type (see § 6.1).
4. Restore the battery compartment cover to its position.
5. Do not scatter flat batteries into the environment. Use the relevant containers for disposal.

### 5.3. Cleaning

Use a soft and dry cloth to clean the accessory. Never use wet cloths, solvents, water, etc.

### 5.4. End of life



**CAUTION:** the symbol on the accessory indicates that the appliance and its batteries must be collected separately and correctly disposed of.

## 6. TECHNICAL SPECIFICATIONS

### 6.1. General Characteristics

#### LAN WiFi module

Transmitted rated power:	0 dBm ÷ 10dBm
Frequency:	2.4GHz (IEEE 802.1 b/g)
Reference standards:	FCC/CE/IC certification

#### Power supply

Batteries:	2 alkaline batteries of 1.5V type AAA LR03
Consumption:	40mA (normal – with connected device)
Auto Power OFF:	after approx. 5 minutes of no transfer

#### Input connectors

Serial port:	optical connector
Baud rate:	57600 fixed baud

### 6.2. Environmental conditions

Operating temperature:	-40°C ÷ 85°C
Operating relative humidity:	<90%RH
Storage temperature:	-40°C ÷ 85°C
Storage humidity:	<90%RH

<b>This instrument complies with European Directive EMC 2004/108/EC</b>
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