**OPERATING INSTRUCTION**

Catalog No.: 551-010
551-015

**RC1000**
Remote control for leak test equipment

[Image of RC1000 remote control]
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1 Operating instructions

1.1 How to use this manual

- Please read this manual before commissioning the wireless RC1000WL or the wire-bound RC1000C remote control.
- Keep the manual so that you can use it any time.
- Enclose the operating manual if the device is ever passed on to third parties.
- We reserve the right to alter the design or any data given in this manual.
- The illustrations are not binding.

1.2 Warning and danger symbols

- **Danger**
  Specifications for the prevention of bodily injuries of all kinds.

- **Warning**
  Specifications for the prevention of severe material and environmental damage.

- **Caution**
  Specifications for handling or use. Failure to observe these can lead to faults or minor material damage.
1.3 Glossary

Menu
The menu enables the operator of the RC1000WL or RC1000C remote control to program the remote control to reflect their personal preferences. The menu has a tree structure.

"As delivered" status
The condition of the RC1000WL or RC1000C remote control as it left the factory.

RC1000
RC1000C (non-wireless) or RC1000WL (wireless) remote control.
If this manual talks about general functions that apply to both versions, it is called only RC1000.
2 **Important safety instructions**

*Notice:* Before commissioning the RC1000 remote control, carefully read all safety instructions and make sure that you have properly understood them.

2.1 **Intended use**

The RC1000 remote control has been designed to operate the UL1000, UL1000 Fab, UL5000 and Modul1000 leak test devices.

The former wired remote control (catalog no. 200 99 022) can be replaced by the RC1000.

The RC1000 remote control must only be used for the purpose and within the context outlined in this manual.

Use only INFICON accessories.

2.2 **User requirements**

**Skilled personnel**

The RC1000 remote control must only be connected and operated by properly trained staff.

- The user must be familiar with the function of the device; he or she may only connect and operate the device after having read and understood the operating instructions.

- The user should consult local, state, and national agencies regarding specific requirements and regulations for devices with wireless transmission capability.

- In case of more questions regarding safety, operation and/or maintenance, the user should contact our nearest representative.
2.3 Restrictions of use

**Danger**

Danger in explosive environments. The RC1000C / RC1000WL remote control may only be used away from explosive environments.

2.4 Hazards in the event of intended use

**Danger**

Possible interference with pacemakers. The performance of pacemakers may be affected by the magnets on the back of the RC1000C / RC1000WL remote control. Observe the distances indicated by the pacemaker manufacturer.

When handling the remote control RC1000:

**Danger**

Possible liquid crystal hazard! If the display has broken, prevent liquid crystals from entering people's mouths or eyes. Use soap and water to wash hands, feet or clothes that have come into contact with liquid crystals.
When handling the rechargeable battery and power supply:

**Warning**
Possible short circuit hazard. In case of a short-circuit the battery might ignite, explode, leak battery fluid, or become overheated and cause burns. Do not short-circuit the battery of the RC1000WL remote control.

**Warning**
Possible explosion hazard. The battery of the RC1000WL remote control can explode if it is extreme overheated. Do not set fire to the battery as it might explode.

*Notice:* Charging the battery at higher temperatures (> 40° C) decreases its service life.

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(FCC: Federal Communications Commission, approval authority for communication devices (USA))
Important safety instructions

Environmental conditions of the remote control:
See also 8 Technical Data.

Caution
Possible risk of damage.
The electronics of the RC1000WL remote control may be damaged by an incorrect supply voltage.
Only use the accompanying wall plug-in power supply.

Caution
Possible risk of damage.
The RC1000 remote control may be damaged in the open through moisture, strong insolation, or intense dust.
Only use the device inside buildings.

Caution
Possible risk of destruction.
Aggressive substances may damage the RC1000 remote control beyond repair.
Avoid contact between the RC1000 and bases, acids, and solvents, and do not expose it to extreme climatic conditions.

Caution
Possible risk of destruction.
The RC1000 remote control may be damaged beyond repair by penetrating liquid.
Do not switch on the RC1000 remote control if liquid has penetrated the unit.
Contact the INFICON Service Department.
Storage and transportation of the remote control:

**Caution**
Possible risk of damage.
The RC1000 remote control may be damaged by being stored in unfavourable conditions (too damp, too hot, too cold, too high above sea level) for months or years (see Technical specifications chapter 8).
If the RC1000 remote control has been stored under such conditions, leave it switched off and contact the INFICON Service Department.

**Caution**
Possible risk of damage.
The RC1000 remote control may be damaged by improper transport.
Always transport the RC1000 remote control in its original packaging.

Cleaning the remote control:

*Notice:* Clean the plastic housing of the RC1000 remote control, the front foil and the display using a soft cloth, moistened with some water or soap suds. Do not use any solvents!

Operating the remote control:

*Notice:* The performance and reliability of the RC1000 remote control can only be guaranteed if it is operated under the specified conditions of use (see Technical specifications chapter 8).
_Notice:_ Any changes made to the RC1000 remote control by the user may result in a violation of statutory provisions or may affect the EMC properties and safety of the product. INFICON does not accept any liability for the consequences of such changes.
3 Description of the RC1000

3.1 Use

The RC1000 remote control has been designed to operate the selected INFICON leak detectors.

The RC1000 remote control is accommodated in a robust housing the shape of which enables ergonomic working. Magnets on the underside of the unit enable it to be attached to horizontal or vertical metal surfaces.

The wireless version RC1000WL enables remote operation up to a distance of over 100 m, depending on the reception conditions. The integrated rechargeable battery enables over 8 hours of operation, depending on the battery level.

The leak rates can be displayed in digits or in a curve on the 3.5” colour display.

Measured values of up to several hours of recording can be stored in an internal memory. The data storage interval is adjustable. The data can easily be downloaded to a USB stick via the integrated USB interface to save it.

An internal trigger can be set to provide a warning if the limit leak rates are exceeded. An optical warning is shown on the display and an acoustic warning signal with variable pitch proportionally to the leak rate is sounded on the integrated loudspeaker or the connected headphones.
3.2 Operating Elements

**POWER button**

RC1000WL: Power switch. After pressing and briefly holding the switch, the operating LED lights up as confirmation and flashes when the remote control is ready for use. Switch off by pressing and holding the button for more than 2 seconds.

RC1000C: The remote control turns on when the cable is plugged in. Pressing the Power button turns the display of the remote control on and off.

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**Fig. 1 RC1000 remote control**

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>START button</td>
</tr>
<tr>
<td>2</td>
<td>ZERO button</td>
</tr>
<tr>
<td>3</td>
<td>POWER button</td>
</tr>
<tr>
<td>4</td>
<td>Touch Display</td>
</tr>
<tr>
<td>5</td>
<td>STOP button</td>
</tr>
<tr>
<td>6</td>
<td>Operating LED</td>
</tr>
<tr>
<td>7</td>
<td>Charge LED</td>
</tr>
</tbody>
</table>
START button
Starts the leak test of the leak detector (See 5.4).
(See the Technical Manual of the leak detector, and observe the menu option "Control location").

STOP button
Ends leak testing (See 5.4).

ZERO button
Activates the ZERO function (See 5.4).

Touch Display
Shows measurements displayed numerically or as a curve, indicates statuses and offers operating interfaces.

Operating LED
Flashes during normal operation.

Charging LED (RC1000WL)
Lights up while the battery is being charged.
3.3 Back of the RC1000

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Magnets for attaching the unit to metal surfaces, e.g. to the leak detector.</td>
</tr>
<tr>
<td>2</td>
<td>M3 threaded bushings to attach holders</td>
</tr>
</tbody>
</table>

⚠️ Caution

Risk of damage.
Use screws that reach max. 6 mm into the housing.

| 3    | Sound outlet aperture for the integrated loudspeaker. |
| 4    | Eye for attaching carrying devices (e.g. wrist band, to be ordered separately). |

Fig. 2 Back of the RC1000 remote control
3.4  Supplied equipment

Cat.-No. 551-015  Remote control RC1000WL, wireless

Supplied equipment:
- Remote control RC1000WL
- Connection cable, 4 m
- Wall plug-in power supply (for integrated battery)
- Radio transmitter
- Connection cable for radio transmitter
- Operating instructions

Cat.-No. 551-010  Remote control RC1000C, non-wireless

Supplied equipment:
- Remote control RC1000C
- Connection cable, 4 m
- Operating instructions

Cat.-No. 551-020  Radio transmitter
(for operating a second leak detector)

Supplied equipment:
- Radio transmitter
- Connection cable
- Installation instructions
4 Installation

4.1 Connection to the leak detector

RC1000WL (wireless)

The RC1000WL remote control is connected to the leak detector by means of a wireless data connection. Connect the leak detector to the radio transmitter for this purpose (see chapter 4.2).

The RC1000WL remote control is shipped set-up for connection with the supplied radio transmitter. This way, the connection is immediately established upon turning the unit on.

Alternatively, it can also be connected by means of the enclosed cable, similar to connecting the RC1000C (non-wireless) remote control. In this case only one connection cable must be used with the RC1000WL, not more.

RC1000C (non-wireless)

The RC1000C (non-wireless) remote control is connected to the leak detector by connecting the enclosed connection cable to the RJ 25 socket (see Fig. 4).

The connection cable of the RC1000C can be extended up to 28 m by using one or more extension cables. (Cat.-No. 14022)

Notice: The leak detectors should have at least following software versions:
UL1000/UL1000 Fab and UL5000: SW V4.4, Modul1000: SW V1.6.
4.2 Connecting radio transmitter and leak detector

Connecting the radio transmitter for the RC1000WL (wireless) remote control:

1. Use Velcro to position the radio transmitter (1) in a suitable location on the SmartTest leak detector so that there is a direct line of sight between the antenna and the remote control.

2. Connect the connecting cable of the radio transmitter to the RJ25 socket of the leak detector (2).

**Notice:** To extend the wireless operating range an extension cable also can be used to position the radio transmitter away from the leak detector, if reception is poor (e.g. at the ceiling of the room).

**Notice:** The operating range of the radio transmitter will be affected by metal objects in its near, avoid installing the antenna near such objects.
4.3 **Inputs and outputs**

The inputs and outputs of the RC1000 remote control have covers to prevent large dirt particles and moisture from penetrating.

*Notice:* The IP42 safety class can only be guaranteed if the covers are closed.

**RJ25 socket**

The RJ25 socket is located at the underside of the RC1000 remote control and closed with a protective plug when delivered.

![RJ25 socket on the bottom of the remote control](image)

*Notice:* Leave the protective plug in the socket when the cable is not connected.

*Notice:* We recommend only inserting and removing the RJ25 plug as often as is necessary for operation.
Connections on the side

Notice: Fold the protective strip upwards before connecting a plug.

Fig. 5 Connections on the side (without cover)

Pos. Description

1 USB connection
   Insert the USB stick (FAT formatted) to record data.

2 3.5 mm jack for stereo headphones
   Standard stereo headphones with a 3.5 mm jack plug and
   >2x32 Ohm impedance can be connected to the jack.
   If the headphones are inserted, the volume of the integrated
   loudspeaker is automatically lowered.

3 Charging socket for the enclosed power supply
4.4 Wall plug-in power supply

**Warning**

Possible risk of voltage hazard.
Do not open the external power supply of the RC1000WL remote control. This might result in electric shock and/or injuries.

**Warning**

Risk due to incorrect power supply unit.
Using an external power supply which has not been approved by the manufacturer of the remote control may result in electric shock, damage and/or injuries.
Only use the power supply which was enclosed with the RC1000WL remote control.

Fig. 6 Wall plug-in power supply of the RC1000WL
Connect the plug of the power supply with the socket of the RC1000WL (see Fig. 5, Pos. 3), to charge the integrated battery.

The RC1000WL is always switched on while the power supply cable is connected and the battery is being charged, the Charging LED is lit.

Short pressing of the „POWER“ button reduces the backlight intensity, pressing it for a time longer than about 10 s performs a reset of the remote control.

The LED switches off as soon as the battery has fully charged.

The battery can be charged during operation.

You can use the enclosed power supply all over the world; adapt it with the interchangeable blades to the national design (Europe, North America, Japan, UK, China, Australia, see also 8.4).
5 Operating the remote control

5.1 Starting up the RC1000

After starting up, a start screen with a „Welcome“ message is shown on the touch display.

![Welcome Screen](image)

Fig. 7 Touch-Display of the RC1000

The RC1000WL remote control searches for a receiver (radio transmitter) of a leak detector after starting up to connect with it.

If no devices with which a connection is possible were found in the area, a message „no data connection“ is displayed.

The establishing of a data connection is described in chapter 5.3.2.

If a data connection with a leak detector is established the RC1000 shows the measuring screen on the display (see Fig. 8).
### 5.2 Touch display operation

![Symbols and information on the display](image)

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Pos.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lock/unlock buttons</td>
<td>6</td>
<td>Display of measured values</td>
</tr>
<tr>
<td>2</td>
<td>Wireless connection</td>
<td>7</td>
<td>Status bar</td>
</tr>
<tr>
<td>3</td>
<td>Data set of the entry</td>
<td>8</td>
<td>Menu (access to the main menu)</td>
</tr>
<tr>
<td>4</td>
<td>Charging status display</td>
<td>9</td>
<td>Sound volume</td>
</tr>
<tr>
<td>5</td>
<td>Trigger level</td>
<td>10</td>
<td>Toggle display of measured values</td>
</tr>
</tbody>
</table>
Display functions

The touch display functions can be used by lightly touching the relevant symbol on the display with a finger or a blunt pen.

- "Lock buttons":
  Touch and hold the symbol for more than 2 seconds to lock out touch display operation. The buttons then become dark. Unlock: touch and hold the symbol for more than 2 seconds.

- "Connection":
  Shows whether the RC1000WL is connected to the leak test device by a wireless link.

- "Data recording":
  The number of the active data record is displayed.

- "Status bar":
  Shows information of the current operational status.

- "Menu":
  To access the main menu.

- "Sound volume":
  Enables adjusting the volume of the loudspeaker in the leak detector or in the remote control.

- "Toggle display of measured values":
  Enables to toggle between a large digital display of the values or a display of the progress over time (diagram).
5.3 Main menu for configuration

The "Menu" symbol (Fig. 8 Pos. 8) can be used to access the main menu for the configuration of the remote control. The functions of the individual buttons are described in more detail in the following.

Fig. 9 Main menu on the touch display
5.3.1 Buttons with basic functions

If displayed, these buttons have the following functions:

"?"
opens a help window for the current display.
• Click on "?".
• Use the arrow keys to scroll through longer texts.
• Close the window with "OK".

"X"
closes the current page.
No changes made will be saved!

"OK"
closes the current page and saves the changed settings.
The remote control will now work with these settings.
5.3.2  Connecting / disconnecting
(RC1000WL)

The RC1000WL remote control searches for a receiver (radio transmitter) of a leak detector after turning on or after pressing the "Connect" button.

If no connection is found in the area within 20 seconds, the search is aborted.

The button "Connect" is displayed in the main menu when there is no connection to a leak detector yet.
After establishing the connection, the function of the button changes to "Disconnect".

Close an existing connection with "Disconnect"; the main menu is displayed.

Connecting to a leak detector
• Pressing the “Connect” button of the main menu starts the search.
• If devices with which a connection is possible were found in the area, they are displayed in the list "Connectable devices".
• Select the desired device and connect to it by pressing "Connect". The main menu opens automatically.
• Press "Cancel" to end the connection process and return to the main menu.

Fig. 11 Display of connectable devices for the connection
5.3.3 Setting the trigger level

Setting the trigger level:
The basic level and exponent of the trigger level of the remote control are set here.

- The individual input fields can be selected with "<" and ">".
- The selected field is marked red and can be changed.
- Use the numeric keypad to enter the desired digit.
- After entering a digit, the mark changes to the next field.
- Confirm the set level with "OK".

Notice: The trigger level set here does NOT correspond to the trigger lever set on the leak detector but only applies to the acoustic alarm signal of the RC1000 remote control.
5.3.4 Scale: scaling of the leak-rate curve

Scaling options of the leak-rate curve and the bargraph:

- Q(t) axis:
  Opens a submenu with a choice between linear and logarithmic display of the measured values and the automatically scaling (see Fig. 14).

- Time axis:
  Opens a submenu for the scaling of the time axis (see Fig. 15).

Fig. 13 Scale menu

Fig. 14 Scale submenu
Scaling the time axis of the leak-rate curve:

The selected value is displayed in the centre.

The shown time in this menu is the displayed range of the time axis of the leak-rate curve.

Fig. 15 Menu scaling of the time axis
5.3.5 Sound volume

In this menu you can set the volume of the acoustic signals at the leak detector and at the remote control using the "Arrow up" and "Arrow down" buttons.

**Warning**
Possible risk of hearing damage. The hearing may be damaged by the alarm signal. If a high volume is set, only briefly expose the hearing to the alarm signal or use ear protection.

Setting the volume:
The volume of the loudspeaker of the remote control and the connected leak detector can be adjusted within 15 volume levels. Both devices play an example tone at the volume corresponding to the set levels.
- Set the volume of the leak detector and/or the remote control with the arrow keys.
- Level 0: the volume is turned off

The volume of the leak detector is overwritten by the remote control.

Fig. 16 Volume menu
5.3.6 Recorder

Recording measurements, copying or deleting recorded data

- Select „Settings“ to start, to stop or to configure the recording of measurements. Opens a submenu (see Fig. 18).
- Select „Copy“ to write recorded data to a plugged-in USB stick. Opens a submenu (see Fig. 19).
- Select „Delete“ to erase data from the internal memory. Opens a submenu (see Fig. 20).

Preparing and configuring of recording

- Select „Auto record On“ to prepare the recording. The recording to a new data file will start if the measurement mode will be activated.
  If the measurement mode is stopped again the recording quits and the data file is closed.
- Select „Auto record Off“ if no recording should be done.
- „Interval“ is the duration between the storage of two measured values to the data file.
- „Memory location“ selects the storage to the USB stick or the internal memory.
Set correct values of date and time (see 5.3.8.3) to identify the appropriate data files after recording.

Recorded data files can be copied to a plugged-in USB stick:

- Plug-in the USB stick to the RC1000.
- Select the files by clicking on it or use the „Select all“ button.
- Press „OK“ to copy the selected files to the USB stick.
- Apply the shown message with „OK“.
- The USB stick can be unplugged.

Fig. 19 Recorder submenu Copy files

Recorded data files can be deleted from the internal memory:

- Select the files by clicking on it or use the „Select all“ button.
- Press „OK“ to delete the selected files.
- Apply the shown message with „OK“ if the selected files should be deleted.
- A message confirms that the files are deleted, apply with „OK“.

Fig. 20 Recorder submenu Delete files
5.3.7 Info: device information

"Info" provides among others information about the power level of the battery, the wireless connection, and gives information on the current version on 5 information pages.

Detailed information:
- Select the desired information with the arrow keys.
- Return to the main menu with "OK".

Fig. 21 Info menu
5.3.8 Miscellaneous

In the "Miscellaneous" menu, you can set the language, make software updates, set the time and the date, and select energy-saving options.

The menu point Service offers expanded functions and test options via an access PIN.

5.3.8.1 Language selection:

- By clicking on "Language", the sub-menu is opened for selecting the language.
- The current language is displayed in the centre. Available are: German, English, French, Spanish, Russian and Chinese.
- Select the desired language with the arrow keys and confirm with "OK".

Fig. 22 Miscellaneous menu, submenu Language
5.3.8.2 Energy-saving options (RC1000WL)

The background illumination can be automatically decreased after a time between 15 s and 10 min. This lowers the energy consumption and the operating time of the battery is extended.

- Set the time period with "Arrow up" and "Arrow down".

The remote control can be turned off if it is not used after an adjustable time between 5 min. and 4 hours.

- Set the time period with "Arrow up" and "Arrow down".
- Confirm the settings with "OK".

Resetting the decreased background illumination:
By tapping on the touch display, the regular background illumination is turned on again.

Notice: This function works only at battery operated mode (no power supply connected or RC1000WL connected to leak detector via cable) if the leak detector is in STBY or VENT mode. When pushing any key at the RC1000WL the programmed time to switch off the backlight illumination will start again.
5.3.8.3 Set Time and Date

Setting the time:
- The fields can be selected individually with "<" and ">".
- The field selected for change is marked red.
- Make changes via the numeric keypad.
- After changing a digit, the red mark automatically changes to the next field.
- Confirm the set time with "OK".
- The date can be set in the same way.

Notice: The wired remote control RC1000C can not store date and time if the connecting cable is removed or the leak detector is turned off.

Fig. 24 Time menu
5.4 Operating the leak detector

The "START/STOP" and "ZERO" buttons on the remote control can be used to operate the leak detector in the same manner as on the actual leak detector.

Notice: You must observe the operating instructions of the leak detector in any case!

If the remote control displays a menu page of the configuration, you can change to the status display of the leak detector with "Back".

The leak detector can be in the modes „Running up“ or „Stand-By“:

START button

Pressing the START button for the first time activates the leak detector so that it starts measuring.

If the START button is pressed again while measuring, the maximum leak rate display (holding function) is activated. This displays the maximum leak rate which has occurred since „START“.

Press „START“ again to re-initialise the holding function. (See the Operating instructions of the leak test device used.)
After starting up, the leak test device can be in „Evacuating“ or „Measure“ mode:

STOP button

Pressing the STOP button interrupts the measurements. The inlet is vented if the button is pressed and held. (See the Operating Instructions of the leak test device used.)
**ZERO button**

Pressing the ZERO button activates the background suppression in the leak detector.
(See the operating instructions of the leak detector.)

**Notice:** The „calibration“ function can only be activated on the leak detector, not with the remote control.

![Fig. 28 „Calibration“ status display](image)

**5.5 Paging function**

With the paging function the remote control RC1000WL can easily be located, if it is searched sometimes.

Open the following menu at the leak detector:

Settings - Miscellaneous - Paging function

Pressing the button „On“ lets an acoustic signal sound at the remote control, the button „Off“ quits this signal.
(Available with leak detector software version V. 4.5 at UL1000/UL5000 and V.1.7 at Modul1000.)
6 Maintenance tasks

6.1 Spare parts

<table>
<thead>
<tr>
<th>Description</th>
<th>SP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement battery RC1000WL, 3.7 V, 5800 mAh</td>
<td>200 003 316</td>
</tr>
<tr>
<td>Housing shell set RC1000 including keypad foil and fixture</td>
<td>200 003 315</td>
</tr>
<tr>
<td>Wall plug-in power supply RC1000WL</td>
<td>200 003 317</td>
</tr>
</tbody>
</table>

6.2 Maintenance

The RC1000 remote control requires any maintenance. Only the battery of the RC1000WL needs replacing if its storage capacity becomes less.

Warning

Possible short circuit hazard. The battery might ignite, explode, leak battery fluid, or become overheated and cause burns due to short circuit. Do not short-circuit the battery of the RC1000WL remote control.

Notice: Only use batteries approved by INFICON. Do not use any damaged batteries.

Possible explosion hazard. Do not set fire to the battery of the RC1000WL remote control.
Notice: The battery is a wearing part and subject to a six-month warranty period.

Replacing the battery (RC1000WL)
See „Installation manual rechargeable battery RC1000WL“, document number liqf15e2.

Notice: Dispose of the old battery in accordance with the applicable regulations.

6.3 Cleaning
Notice: Do not use any solvents!
Clean the plastic housing of the device, the front foil and the display using a soft cloth, moistened with some water or soap suds.
7 Transport and disposal

7.1 Transporting

Caution
Possible risk of damage. The RC1000 remote control may be damaged by improper transport. Always transport the RC1000 remote control in its original packaging.

7.2 Disposal
Dispose of the device in accordance with the applicable statutory provisions on the disposal of electronic devices, especially also regarding the installed rechargeable battery.
8 Technical Data

8.1 Weight / dimensions

Dimensions (L x W x H) 210 x 90 x 46 mm
Weight RC1000C (non-wireless) ca. 0.4 kg
Weight RC1000WL (wireless) ca. 0.5 kg
Type of protection IP 42

8.2 Characteristics

Audio alarm at 1 m distance 70 db(A) max.
Headphone jack stereo 3.5 mm >2 x 32 Ohm
Range of wireless transmission >100 m in free field
HF output power +6dBm (4mW)
Frequency of wireless transmission 2,4 GHz
Internal memory capacity 64 MB, 32 MB of which is available for recording data
Battery operation time (RC1000WL) >8 hours (depending on battery level)
Display TFT-Touch 1/4 VGA / 3,5“ 240 x 320 px, max. error 4 px
RC1000WL charging voltage from power supply 24 V DC, max. 0,7 A
RC1000C supply voltage from leak detector 24 V DC, max. 0,7 A
## 8.3 Environmental Conditions

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only for use within buildings.</td>
<td>EN 61010</td>
</tr>
<tr>
<td>Permissible ambient temperature (during operation)</td>
<td>5 to +40 °C</td>
</tr>
<tr>
<td>Permissible storage temperature</td>
<td>-10 to +60 °C</td>
</tr>
<tr>
<td>Maximum relative humidity</td>
<td>80% to 31°C,</td>
</tr>
<tr>
<td></td>
<td>linear decreasing 50%</td>
</tr>
<tr>
<td></td>
<td>at 40°C</td>
</tr>
<tr>
<td>Max. permissible height above sea level (during operation)</td>
<td>2000 m</td>
</tr>
</tbody>
</table>

## 8.4 Mains power for wall plug-in power supply

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains voltages and frequencies</td>
<td>100 - 250 V 50/60 Hz</td>
</tr>
<tr>
<td>Interchangeable blades of mains plug</td>
<td>Europe, North America,</td>
</tr>
<tr>
<td></td>
<td>Japan, UK, China, Australia</td>
</tr>
<tr>
<td>Power consumption</td>
<td>max.30 VA</td>
</tr>
</tbody>
</table>

## 8.5 Wireless permits of RC1000WL

- CE, FCC, IC, TELEC, MIC, MII
9 Ordering information

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC1000C remote control, non-wireless</td>
<td>551-010</td>
</tr>
<tr>
<td>RC1000WL remote control, wireless</td>
<td>551-015</td>
</tr>
<tr>
<td>Accessories:</td>
<td></td>
</tr>
<tr>
<td>10 m extension cable</td>
<td>14022</td>
</tr>
<tr>
<td>Wireless transmitter</td>
<td>551-020</td>
</tr>
<tr>
<td>(to operate a second leak detector)</td>
<td></td>
</tr>
</tbody>
</table>

10 Declaration of conformity

At the next two pages the declarations of conformity are to be found regarding the wireless remote control RC1000WL and the non-wireless version RC1000C.
We, INFICON GmbH, hereby declare that the products defined below meet the basic requirements regarding safety and health and relevant provisions of the relevant EU Directives by design, type and the versions which are brought into circulation by us. This declaration of conformity is issued under the sole responsibility of INFICON GmbH.

In case of any products changes made without our approval, this declaration will be void.

Designation of the product: Remote control for leak test equipment

Models: RC1000WL

Catalogue numbers: 551-015

The products meet the requirements of the following Directives:
- Directive 2014/35/EU (RED)
- Directive 2011/65/EU (RoHS)

Applied harmonized standards:
- EN 55032:2012 Class B
- ETSI EN 300 328 V1.9.1
- ETSI EN 301 489-1 V1.9.2
- ETSI EN 301 489-17 V2.2.1
- DIN EN 50581:2013

Cologne, July 20th, 2017

Dr. Dobler, President LDT

Cologne, July 20th, 2017

Bausch, Research and Development

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EU Declaration of Conformity

We — INFICON GmbH — hereby declare that the products defined below meet the basic requirements regarding safety and health and relevant provisions of the relevant EU Directives by design, type and the versions which are brought into circulation by us. This declaration of conformity is issued under the sole responsibility of INFICON GmbH.

In case of any products changes made without our approval, this declaration will be void.

Designation of the product: Remote control for leak test equipment

Models: RC1000C

Catalogue numbers:

551-010

The products meet the requirements of the following Directives:

- Directive 2014/30/EU (Electromagnetic Compatibility)
- Directive 2011/65/EU (RoHS)

Applied harmonized standards:

- DIN EN 61326-1:2013
  Class B according to EN 55011
- DIN EN 50581:2013

Cologne, July 20th, 2017

Dr. Döbler, President LDT

Cologne, July 20th, 2017

Bausch, Research and Development

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