EMCT Swiss-ConnTec SA
POSTFACH 241, GRUBENSTR. 7a
CH-3322 SCHÖNBÜHL/BERN
TELEFON + 41 (0)31 859 34 94
TELEFAX + 41 (0)31 859 20 17
E-Mail: info@emct.ch
Internet: www.emct.ch

# Instruction manual for
# RP 025 LH EMCT Electronic Test Buzzer


1 Battery box
2 Test buzzer
3 Measuring lines
4 Test terminal

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## 1 Introduction

### 1.1 Application

The RP 025 LH Electronic Test Buzzer can be used for the ohmic continuity check of switches, lines, circuits, fuses, lamps, diodes, transistors, polarity tests, coils, resistors, transformers, relays and contractors. Resistance test range is between 0 and 600 Ω respectively between 0 and 400 kΩ.

- Protected against external voltage
- Test range: low or high ohmic
- Test terminal pluggable
- Red plastic housing shockproof

### 1.2 Remarks

In this instruction manual noted remarks:

**Warning:** Warns of a danger which could bring injuries.

**Indication:** Has to be considered!

**Important:** Important information!

### 1.3 Scope of delivery

Included in delivery is:

1x RP 025 LH EMCT Electronic Test Buzzer
2x 1.5 V battery (LR44)
1x instruction manual

## 2 Safety instructions

The remarks noted in this instruction manual are inevitable for a save application of the test buzzer. You are advised not to use the test buzzer before reading the safety instructions. Disobeying the instructions can result in injury!

The test object has to be in a tensionless state.

The test buzzer is not qualified to be used in energized objects.

The measuring lines and test terminals may only be touched at the intended handles.

The test buzzer may only be used in the denoted test ranges.

Before opening the battery box the test buzzer has to be disconnected from all the measuring circuits.

For use by competent persons only. Anyone using this Product should be knowledgeable and trained about the risks involved with measuring voltage, especially in an industrial setting, and the importance of taking safety precautions and of testing the Product before and after using it to ensure that it is in good working condition.

The test buzzer has to be placed out of children's reach.

## 3 Instruction

### 3.1 Bringing into service

Two 1.5 V batteries (LR44) are already placed inside of the battery box and the test buzzer is instantly ready for being used.

### 3.2 Continuity check

The test buzzer permits a simple and fast continuity check by recognizing a closed circuit and giving off an acoustic signal. Thanks to that one doesn't have to take a look at the test buzzer during the check. The acoustic signals sound different when there is a different resistance value. The test buzzer can be used for both, low- and high-resistance range. To work in low resistance range (0 - 600 Ω) you have to select L with the switch on the upper side of the device. To work in high resistance range (0 – 400 kΩ) the switch has to be set to H.

Proceed as indicated below:

- Connect the test terminals with the testing object at two points you want to check.
- If there is continuity you will hear the acoustic signal.

Make sure that the testing object is in a tensionless state and do not use the test buzzer around wet environments. Additionally you have to make sure that the measuring lines are in a flawless condition.

The test buzzer confirms continuity with an acoustic signal of 70 dB(a) at a distance of 22 cm.

# 4 Maintenance

When the test buzzer is used according to the instruction manual no particular maintenance is required. It is still possible that the test buzzer gets dirty from time to time. If this is the case the battery box can be cleaned with a moist towel and a little bit of mild household cleaner.

## 4.1 Battery change

After some time of use the battery needs to be changed. This will be recognized when the test buzzer doesn't work flawlessly anymore.

After you have disconnected the test buzzer from all the measuring circuits, proceed as indicated below:

1. Open the battery box by removing the cover of the batteries.
2. Remove the old battery and insert the new 1.5 V batteries (LR44).
3. Close the battery box.

Dispose the old battery appropriately.

The battery should be removed if the test buzzer is not being used during a longer period of time.

# 5 Technical data

| | L (Low) | H (High) |
|---|---|---|
| Currant over test terminal | 1,5 mA | 5 µA |
| Voltage over test terminal | 3.2 V | 3.2 V |
| Resistance test range | 0 – 600 Ω | 0 – 400 kΩ |
| Protected against external voltage up to | 340 V (5 sec.) | 340 V (5 sec.) |
| Intermittent alarm by alternating voltage | Ja | Ja |
| LED visual indication | Nein | Nein |
| Battery | 1.5 V (LR44) | 1.5 V (LR44) |
| Length of test cable | 0.7 m | 0.7 m |
| Temperature range | -5°C bis +50°C | -5°C bis +50°C |
| Life expectancy | 10 Jahre | 10 Jahre |

CE Sign of conformity, approves compliance of the valid EMC directive (2014/30/EU). The device is in compliance with the following standards: EN ISO 12100, EN 60204-1, EN 61000-6-2, EN 61000-6-4, low voltage directive (2014/35/EU).

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# EC Declaration of Conformity

**(Directive 2006/42/EG, Annex II A)**

The producer: EMCT Swiss-ConnTec SA, Grubenstrasse 7a, CH-3322 Schönbühl

herewith declares, that the following device:

**EMCT Electronic test buzzer / RP 025 LH / 10-4-0310**

is in conformity with the essential requirements of security and health of the machinery directive 2006/42/EG Annex I.

The device is in conformity with the following additional directives:

**Low voltage directive 2014/35/EU**
**EMC directive 2014/30/EU**

The following harmonised standards were applied:

**EN ISO 12100; EN 60204-1; EN 61000-6-2; EN 61000-6-4**

Authorized representative for the composition of the technical documents:

**Christoph Müller**
**Grubenstrasse 7a**
**CH-3322 Schönbühl**

According to the needs of a national agency the technical documents will be transmitted as an electronic file.

Schönbühl, 21.01.2015 EMCT Swiss-ConnTec SA

Christoph Müller
Managing Director

Robert Müller
Quality Assurance Manager