

microsonic

EVERY  
THING  
ULTRA  
SONIC

Extract from our online catalogue:

LCA-2

Current to: 2025-10-02



The LCA-2 facilitates the comfortable setting of numerous microsonic sensor series.

## HIGHLIGHTS

- › [Three-digit digital display](#) › for the display of measured distance values in mm or cm
- › [TeachBox with four-button operation](#) › for programming of the sensor without a PC
- › [LinkCopy function](#) › for copying the sensor settings from one sensor to another without a PC
- › [Uniform microsonic teach-in for all microsonic sensors](#) › to keep easy things easy

## BASICS

- › [Handy adapter](#) › for the programming of ultrasonic sensors
- › [USB interface](#) › for connection to a PC
- › [T plug](#) › to insert the adapter between the connector cable and the sensor
- › [LinkControl software](#) › free [download](#) of the current version on the Internet
- › [Backwards-compatible](#) › so sensors that have been in the field for a long time can still be programmed
- › [Future-proof](#) › since the LinkControl adapter will also support future generations of sensors

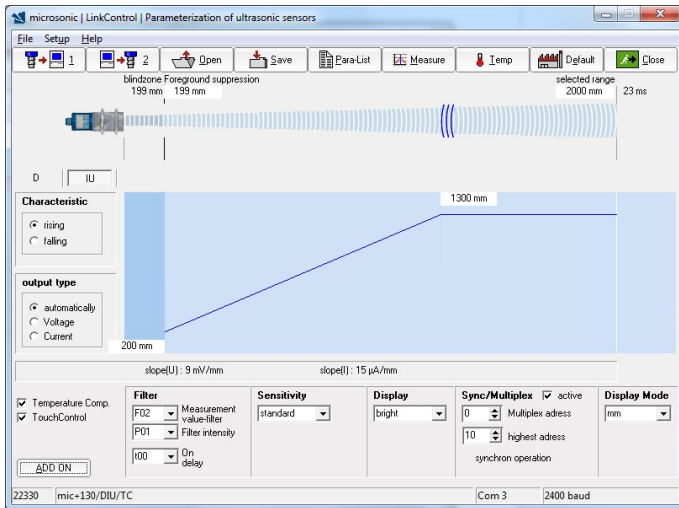
# Description

## The LinkControl adapter LCA-2

is equipped with a USB interface for connection to a PC or laptop.

## With the LinkControl software,

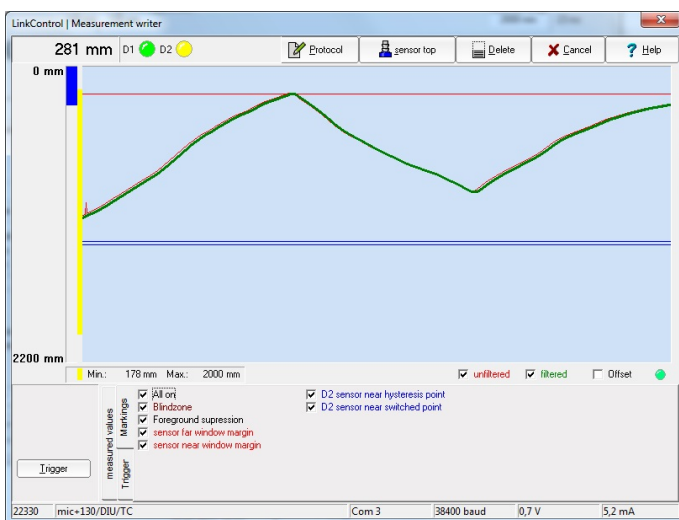
the ultrasonic sensors of the mic+, mic, pico+, lpc+, cube , lcs+, lcs, ucs, pico+TF, crm+, hps+, pms, bks+, bks, dbk+, esp and esf series can be parameterised under Windows®.



LinkControl software: input mask

## The current measurement values

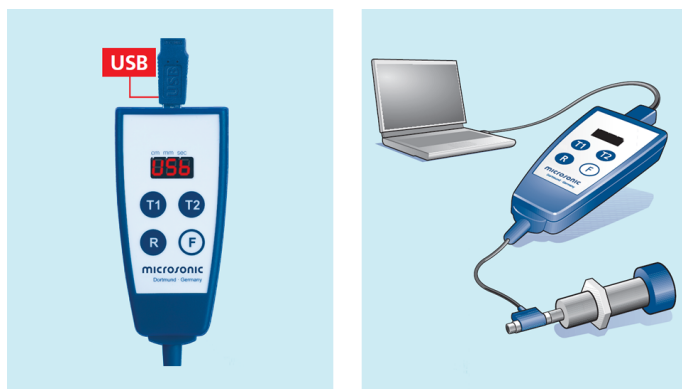
of the ultrasonic sensors can be graphically visualised in the LinkControl software in the form of three different output graphics.



LinkControl software: measurement plotter

## The LinkCopy function

allows the download of parameters from the sensor to the LCA-2 and the subsequent upload of these parameters to a different sensor. This way, sensor settings can be conveniently copied from one sensor to the other.

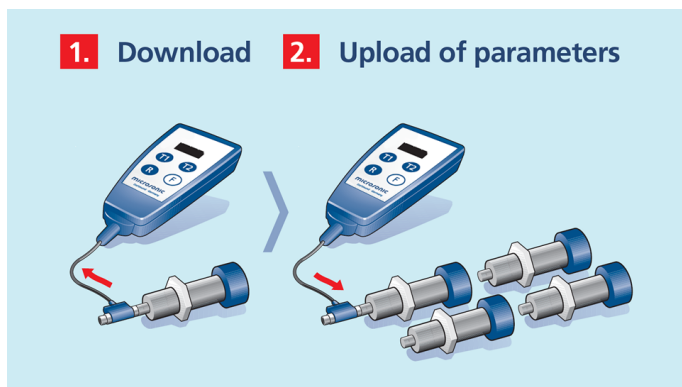


USB interface for PC connection

### Offline programming within LinkCopy

With some sensor series, the sensor settings copied to the LCA-2 can be directly indicated and edited via the digital display before being written back into a sensor.

For the LinkCopy function, the LinkControl adapter need not be connected to a PC. The LCA-2 reads the parameters out of the sensor and saves them internally to its EEPROM. The data are thus safely stored in the LinkControl adapter even after supply voltage disconnection and can consequently also be used as a sensor setting archive.




LinkCopy: Copying of sensor settings

### Via the integrated TeachBox,

all ultrasonic sensors which are taught via pin 5 at the sensor plug (mic, pico+, lpc+, lcs, esf) can be comfortably set. The Link-Control adapter LCA-2 is looped in between the sensor connection line and the sensor; a PC or laptop is not required. During the teach-in process via buttons T1 and T2, the length of the button stroke is indicated in seconds on the display.

**The TeachBox functions**



- T1** Press T1 to teach switched output D1 or the analogue output
- T2** Press T2 to teach switched output D2
- F** Press F+ T1 to load sensor parameters from LCA-2 to the sensor (upload)
- T1**
- F** Press F+T2 to load sensor parameters from the sensor to the LCA-2 (download)
- T2**
- F** Press F to show measured values indicated in mm/cm on the digital display
- R** Press R (reset) to restart the sensor (for upload, download and measurement value output)

The TeachBox & LinkCopy

## Which sensor families support LinkControl and LinkCopy?

### Cylindrical Sensors

	LinkControl	LinkCopy
mic+	+	+
mic	+	+
wms	-	-
crm+	+	+
hps+	+	+
pico+TF	+	+
pico+	+	+
pico+/F/A	+	-
lpc+	+	-
nano	-	-

	LinkControl	LinkCopy
nero	-	-

Valid LinkControl from Version 8.1 (Rev. A)

#### Cubic Sensors

	LinkControl	LinkCopy
cube	+	-
lcs+	+	+
lcs	+	-
sks	-	-
ucs	+	-
zws	-	-

#### Special Sensors

	LinkControl	LinkCopy
bks	+	+
bks+/A	+	-
dbk+	+	-
esf-1	+	-
esp-4	+	-
ews	-	-
pms	+	+

# Get the current LinkControl software! Version 8.2

This version supplies our new sensors: pms, pico+, pico+TF, cube , lcs+, hps+, dbk+, esp-4, esf-1/xx/yy/A and bks+. For an update we recommend to delete the existing LinkControl software under Windows beforehand.

---



# LCA-2

## scale drawing

## detection zone

### operating mode

### accessories

### description

For the convenient setting of a large number of microsonic sensor families. The LinkControl-Adapter LCA-2 can be used to read, copy or write parameters. Additionally, you can connect it with a PC in order to configure it via LinkControl Software.

## electrical data

### operating voltage $U_b$

12 - 30 V d.c., reverse polarity protection

### voltage ripple

$\pm 10 \%$

### no-load current consumption

$\leq 25 \text{ mA}$

### type of connection

4-pin M12 initiator plug

## inputs

### description

USB interface

### input 1

com input

## housing

### material

ABS

### class of protection to EN 60529

IP 20

### operating temperature

+5°C to +60°C

### storage temperature

-40°C to +85°C

### weight

150 g

## technical features/characteristics

### controls

4 push-buttons + LED display (TouchControl)

### indicators

3-digit LED display

### order no.

**LCA-2**

The content of this document is subject to technical changes.  
Specifications in this document are presented in a descriptive way only. They do not warrant any product features.

# LCA-2 Koffer

## scale drawing

## detection zone

<b>operating mode</b>	accessories
<b>description</b>	Set for convenient setting of a number of microsonic sensor families. Contents: LCA-2 - Adaptor for sensors with cable connection (lcs) incl. cable clamps - Adapter for power supply incl. cable clamps - Power supply 90-240VAC/24VDC, 625 mA, with 2,5 m cable - four exchangeable AC-plugs for use in Europe, USA, Great Britain and Australia - USB - cable A-plug to B-plug - USB stick with LinkControl software - Manual (German / English)
<b>particularities</b>	incl. adapter cable and 24V power pack

## electrical data

<b>operating voltage <math>U_B</math></b>	12 - 30 V d.c., reverse polarity protection
<b>voltage ripple</b>	$\pm 10 \%$
<b>no-load current consumption</b>	$\leq 25 \text{ mA}$
<b>type of connection</b>	4-pin M12 initiator plug

## inputs

<b>description</b>	USB interface
<b>input 1</b>	com input

## housing

<b>material</b>	ABS
<b>class of protection to EN 60529</b>	IP 20
<b>operating temperature</b>	+5°C to +60°C
<b>storage temperature</b>	-40°C to +85°C
<b>weight</b>	1,700 g

## technical features/characteristics

<b>controls</b>	4 push-buttons + LED display (TouchControl)
<b>indicators</b>	3-digit LED display
<b>particularities</b>	incl. adapter cable and 24V power pack

# LCA-2 Koffer

order no.

**LCA-2 Koffer**

The content of this document is subject to technical changes.  
Specifications in this document are presented in a descriptive way  
only. They do not warrant any product features.

# Adapter 5G/M12-4G/M12/M8

## scale drawing

## detection zone

### operating mode

### accessories

### description

Connection of sensors with 4 contacts M12 or M8 connector at the LinkControl Adapter

## housing

### connector

M8 or M12

### number of contacts

4

### wire material

PVC

### order no.

**Adapter 5G/M12-4G/M12/M8**

The content of this document is subject to technical changes.  
Specifications in this document are presented in a descriptive way  
only. They do not warrant any product features.