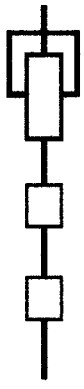


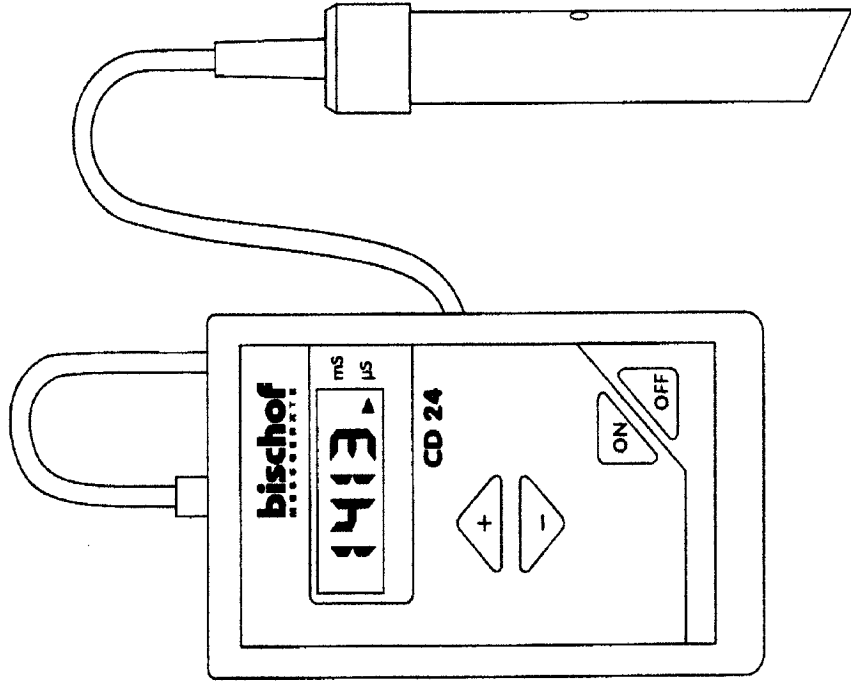
BEDIENUNGSANLEITUNG
OPERATING INSTRUCTION
MODE D'EMPLOI



Musytec[®]
Mess-, Mobil und Systemtechnik

bischof
MESSGERÄTE

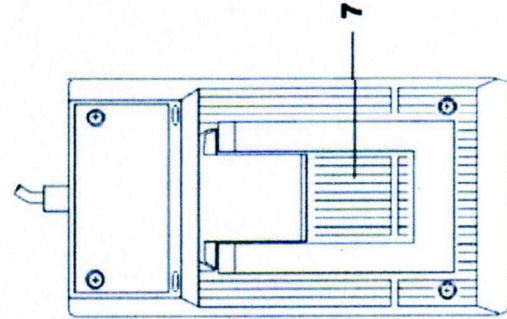
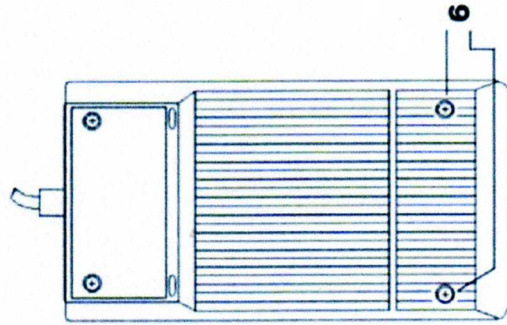
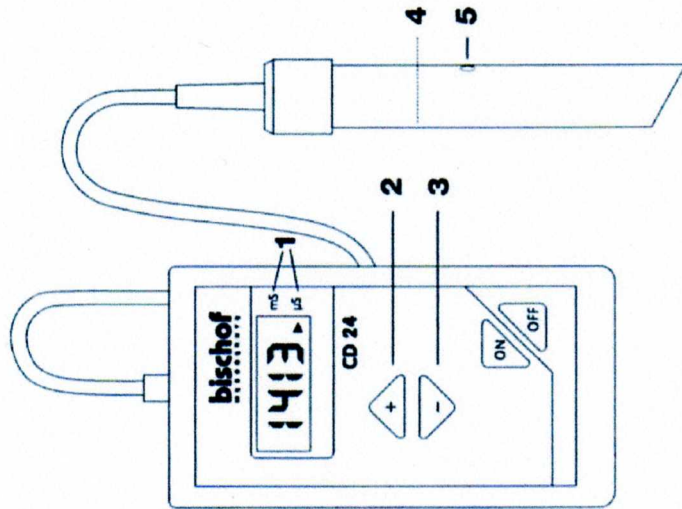
CD 24



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Description

- 1 Measuring range display
- 2 Increase the range
- 3 Decrease the range
- 4 Min. depth of immersion
- 5 Flood opening
- 6 Battery compartment
- 7 Support leg (Extra equipment)



Operation

Immerse the electrode and move the electrode up and down a few times, to speed up the wetting process and remove air bubbles from the inside.

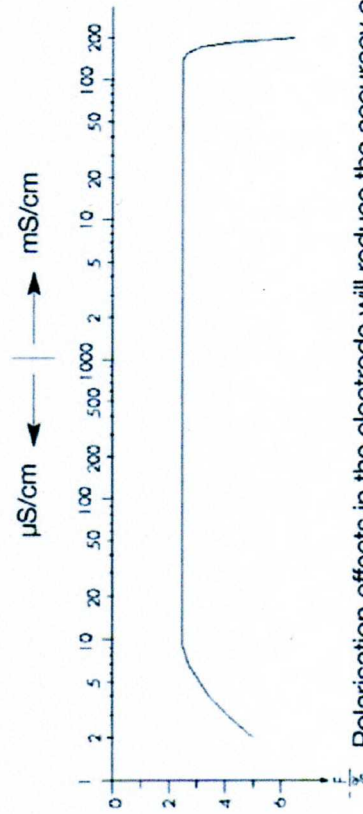
Switch the instrument on and choose the suitable measuring range using the + or - button ∇ . If a „1“ appears on the display, the measured value is above the top of the range.

The range mS/cm or μ S/cm is shown by \blacktriangleright (1 mS/cm = 1000 μ S/cm). If an electrode having a very different conductivity is used, centrifuge the electrode well first, then wash it with clean water. After you have used the instrument, switch it off. It will switch itself off automatically after 15 minutes.

Measuring electrode

The measuring electrode may be left standing in water, or stored away dry. However, it will take a little longer to wet after dry storage. If the electrode is used in dirty electrolytes, or ones rich in salt, wash it with clean water after use. Otherwise a crust may form, which could influence the measuring accuracy and render readings false.

Measuring accuracy



Polarisation effects in the electrode will reduce the accuracy of measurement at the scale extremes.

Battery

If LOBAT is indicated on the display, replace the battery. Open the battery compartment and close it again tightly after replacement.

The battery compartment has a seal to keep out water.

Make sure the screws are always tight in order to guarantee that it remains watertight.

We recommend you use manganese alkaline batteries.

Please dispose of batteries in the proper receptacles.

Note

Perfect functioning is guaranteed only as long as the instrument was not opened.

Guarantee

The instrument is guaranteed for a period of three years after the date of purchase. The guarantee includes the no-charge repair in the event of flaws in the materials or faulty workmanship.

The prerequisite for a guarantee claim is the correct handling and storage of the instrument.

bischof is not liable for damage which results from the use of the instrument.

The guarantee becomes null and void if the instrument was opened.

Technical data

Measuring ranges:
 0 - 199,9 $\mu\text{S/cm}$
 0 - 1999 $\mu\text{S/cm}$
 0 - 19,99 mS/cm
 0 - 199,9 mS/cm

Measuring accuracy:
 $\pm 3\%$ from the value measured ± 2 digit
 (20 $\mu\text{S/cm}$ - 150 mS/cm , 25°C)

Measuring frequency: approx. 4 kHz

Temperature compensation: 0 - 100°C automatic

Reference temperature: 25°C

Temperature coefficient: 2,2 %/K

Electrode:
 nickel in plastic case (0 - 100°C)
 with integrated temperature sensor

Cell constant: approx. 1 cm^{-1}

Types of protection: IP 65 (protected against penetration of dust and hoseproof)

Battery: 9V block

Battery control: automatic in display

Size: 152 x 83 x 34 mm

Weight: 355 g (including electrode)

Ambient temperature: 5 - 45°C

EMC interference emission: EN 50081 - 1

Technical standard specification

EMC interference proofness: EN 50082 - 1

Technical standard specification