

HORIBA

HORIBA, the pioneer in user-friendly analysis equipment, has now made it even easier to measure conductivity



A pocket-size conductivity meter packed with advanced features. This single device can accurately measure minute samples in its unique built-in sampling chamber or large samples by immersion.

The dual-function conductivity meter B-173 is in the popular CARDY format, and has been made even smaller for portability and convenience. Thanks to the autoranging function, the measurement range of two instruments is now combined into one. The B-173 is packed with advanced features such as auto-calibration and automatic temperature conversion.

HORIBA, a leader in analytical instruments, has revolutionized conductivity measurement.





Twin Cond is HORIBA's unique conductivity meter which features a waterproof flat sensor. Twin Cond is convenient for small sample measurement in the laboratory, and field measurement in rivers and lakes. It features autoranging and a measurement range from 1 μS/cm to 19.9 mS/cm. It also has advanced functions such as one-touch auto-calibration, automatic temperature conversion (compensation temperature: 25 °C), manual and automatic hold functions, and a salinity conversion function (from 0 to 1.1%).

The sensor The cartridge-type sensor

can be easily replaced if necessary.

Twin Cond

CAL/MODE button

Press the Cal/Mode Button to switch between calibration mode, salinity mode, and conductivity mode.

HOLD button

▶ mS/cm-

uS/cm

When pressed during measurement, the current value will be held. If the Power On button is pressed simultaneously, the value will be held automatically after stabilization.

Conductivity/Salinity Display When the conductivity value

above 20 mS/cm or the salinity is above 1.1%, the display will flash.

Battery Alarm

Alerts you when the battery is

Appears to indicate the mea-surement value is being held. During Autohold mode, mark will flash.

The "C" indicator will light when the sample is below 5°C or above 35°C.

Calibration Mark Appears during calibration.

Salinity Display

Conductivity Display

Stability Mark

Appears when the measure-ment value has stabilized.



Before measuring The measurement of rain acidity, we recconductivity is indisommend that you first pensable to controlconfirm contaminaling the water quality tion of the rain by of rivers, lakes, measuring conductivunderground water ity, before measuring waste water, etc.



Earth conductivity measurement when analyzing soil can now be done easily at the site.



The perfect way to desalination systems used on small ships

Ideal for the mainte-

dilution density of dampening water

Power button

Turns power on and off. If the power is not turned off within 15 minutes after last use, it will automatically

SPECIFICATIONS

Conductivity measurement has just taken a giant leap forward

Model name: B-173

Principle: AC bipolar method

Measurement modes: Conductivity/sodium chlo-

ride (NaCI) salinity conversion Display method: Digital LCD

Conductivity measurement range:

0 - 19.9 mS/cm

Measurement ranges:

- $10 199 \mu \text{S/cm} 1 \mu \text{S/cm step}$ $10 199 \mu \text{S/cm} 1 \mu \text{S/cm step}$ $10 199 \mu \text{S/cm} 1 \mu \text{S/cm step}$
- 3 2.0 19.9 mS/cm 0.1 mS/cm step

Out of range display:

4 Flashes when over 20 - 199 mS/cm 1 mS/cm step (reference value)

Range changeover: 1 - 4 automatic range changeover

Accuracy: ±2% full scale ±1 digit

(over 10 mS/cm: ±3% full scale ±1 digit)

Salinity conversion display range: 0 - 1.1%

Display range:

1 0.00 - 99% 0.01% step

2 1.0 - 9.9% 0.1% step 3 10% - 15% 1% step

Out of range display:

Flashes when over 1.1% (reference value)

Repeatability: ±1% full scale

Measurement temperature range: 5°C - 35°C

Temperature compensation:

Automatic, 2%/°C (fixed)

Compensation temperature 25°C

Weight: 46 g

Dimensions: 150 × 27 × 16 mm

Power supply: 3 V × 2, two CR-2032 lithium bat-

Material: ABS resin

Calibration: 1.41 mS/cm, 1 point

Standard Accessories:

- 2 bottles of standard solution (1.41 mS/cm)
- 1 bottle of deionized water
- 2 CR-2032 lithium batteries
- •1 pipet
- •1 storage pouch
- 1 instruction manual

Twin Cond B-173



The following accessories are available

- Sensor (No.0413)
- Set of solutions (No.Y023):
 - 4 bottles of standard solution (1.41 mS/cm) 4 bottles of deionized water

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