ORP

Pocket-sized Redox Meter

EN 50081-1
EN 50082-1

HANNA instruments

Stay in Touch with the Manufacturer!

ORP

Pocket-sized Redox Meter

SPECIFICATIONS:

RANGE	±999mV
RESOLUTION	1mV
ACCURACY (@20°C/68°F)	±5mV
TYPICAL EMC DEVIATION	±5mV
ENVIRONMENT	0 to 50°C (32 to 122°F); 95% RH
BATTERY LIFE	4 x 1.4V alkaline approx. 700 hours of continuous use
DIMENSIONS	150x30x24 mm (5.9x1.2x0.9")
WEIGHT	85 g (3 oz.)

ACCESSORIES:

HI 7020M	ORP solution 200-275mV (230 mL)
HI 7020L	ORP solution 200-275mV (460 mL)
HI 7061M	General purpose cleaning solution (230 mL)
HI 7061L	General purpose cleaning solution (460 mL)
HI 7091M	Pretreatment reducing solution (230 mL)
HI 7092M	Pretreatment oxidizing solution (230 mL)

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ISO 9001
Certified Company

Authorized Dealer

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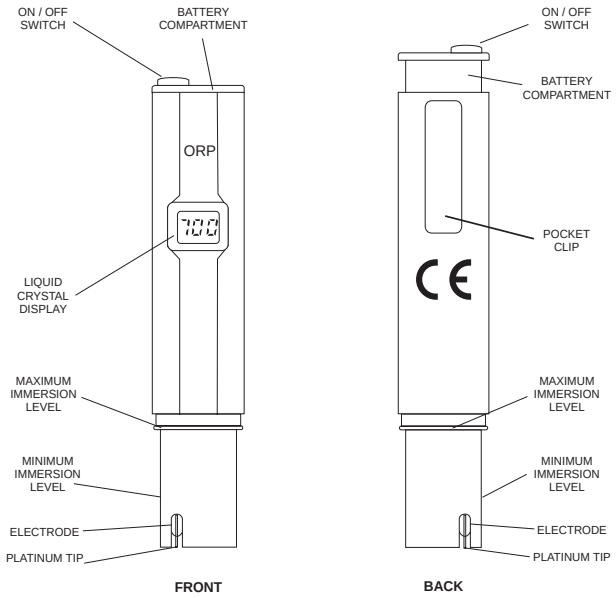
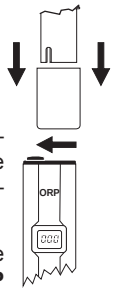
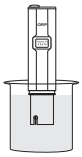


OPERATION:



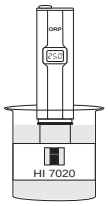
- Do not be alarmed if white crystals appear around the cap. This is normal with ORP electrodes and they dissolve when rinsed with water.
- Remove the protective cap and turn the **ORP** on.



- Immerse it in the solution up to the maximum immersion level without touching the bottom of the beaker.
- Stir gently and wait until the display stabilizes.

- After use, rinse the electrode with water to minimize contamination.
- When not in use, switch the **ORP** off and replace the protective.

MAINTENANCE:

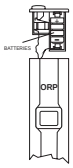


Check the **ORP** by immersing it in HI 7020 ORP solution. The reading should be between 200 and 275 mV at 20°C (68°F).

Otherwise clean the platinum tip of the electrode by rubbing it with a soft cotton or lint-free cloth soaked with HI 7061 cleaning solution.

For a more accurate result, condition your **ORP** by leaving it in a pretreatment reducing (HI 7091) or oxidizing (HI 7092) solution half an hour prior to measurement.

BATTERY REPLACEMENT:



When the **ORP** cannot be switched on or the display fades, pull out the battery compartment and replace all four 1.4V batteries, paying attention to their polarity.

Batteries should only be replaced in a safe area using the battery type specified in this instruction manual.

RECOMMENDATIONS FOR USERS:

Before using this product, make sure that it is entirely suitable for the environment in which it is used.

Operation of this instrument in residential areas could cause interference to radio and TV equipment.

The tip of the electrode is sensitive to electrostatic discharge. Avoid touching this tip at all times. In particular cases anomalous readings could appear. In such cases the instrument can be reset by the ON/FF switch. Use plastic beakers to minimize any interference.

Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance.

To avoid electrical shock, do not use this instrument when voltages at the measurement surface exceed 24 VAC or 60 VDC. To avoid damage or burns, do not perform any measurement in microwave ovens.