ET1613 Technical Characteristics

- Response time < 60 s
- Working Temperature: 5-50 Deg C
- Connector: Male 1 mm plug.
- No sensitivity to light or redox species.
- Can work placed in all positions.

Additional Equipment

- pH Pod (EP353/EPU353 or Quad MF Pod (EPU452)or equivalent meter with resolution of 0.1 mV
- Connection cable: BNC to aligator (EC008)

Reagents

- De ionized water.
- Conditioning solution for the reference electrode (lithium acetate 1M or the same solution used to the condition the ion selective electrode that will be used with).

Handling

- **Avoid pressure on the connector. Do NOT twist the electrode body.**
- **Do NOT allow the connector to become wet.**
- **Handle the electrode via the upper part / connector, in order not to damage the tip/sensing area.**

Use of ET1613

Before using the ET1613, it is recommended to read the instructions of your meter.

Before daily use: Condition the ET1613 in the conditioning solution at least for 10 minutes[1] before use

(1) If the electrode is new or has been without use for a prolonged period of time or has been in contact with interference containing sample, conditioning time is recommended to be 8 hrs or until stable potential reading.

The reference electrode can be conditioned also with the target ion of the ion-selective electrode

1. Connect the cable connector to the ET1613 plug.

2. Rinse with DI water and dry the outer body with a clean tissue.

3. Keep electrode clean before storage.

4. Store electrode in original container.

5. ET1613 can be stored in the conditioning solution or dry-stored into the supplied container or any well sealed small container.

Presence of solid particles in suspension and turbid solutions do not affect to the overall performance of the electrode.

Recommendations

Follow the instructions for an optimal preservation of the electrode.

Do not leave the electrode exposed to air.
The electrode has been designed to work in liquid environments. It has to be stored in a small sealed dry container or in its conditioning solution.

Keep constant the same conditions of temperature, stirring, both in samples and standards.

Warranty

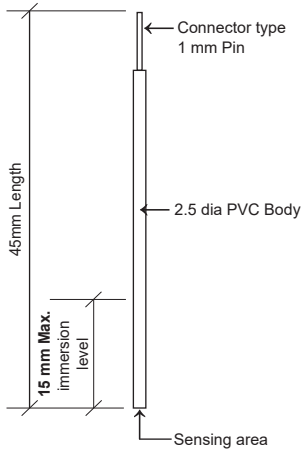
Electrodes are guaranteed of any manufacturing defect.
The warranty of the electrodes does not cover the defects caused by:
- inappropriate use
- the usual aging of the electrode
- the logic premature aging caused by certain samples
- accidental damage

The warranty of ET1613 is valid for a period of 3 months.

To obtain a warranty repair/replacement you must first notify us before return of the instrument and we will issue you with a RMA (return merchandise authority). Please refer to eDAQs warranty page on eDAQs website
https://www.edaq.com/warranty-and-licensing

Maintenance and Storage

- The ET1613 does not require maintenance due to not containing internal liquid solutions.
- Place the electrode into the supplied container when not in use. Do not leave the sensing area in contact with air/atmosphere for longer time than necessary.
- Storage at temperatures below 25ºC.
- Store in a dry, cool place avoiding the direct contact with the sunlight.



ET1613

Universal Reference Electrode

Miniturized

Minimum volume consumption of reagents and samples

No special maintenance required

ET1613

MINI Ion Selective Electrode Reference

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