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pH gel electrodes

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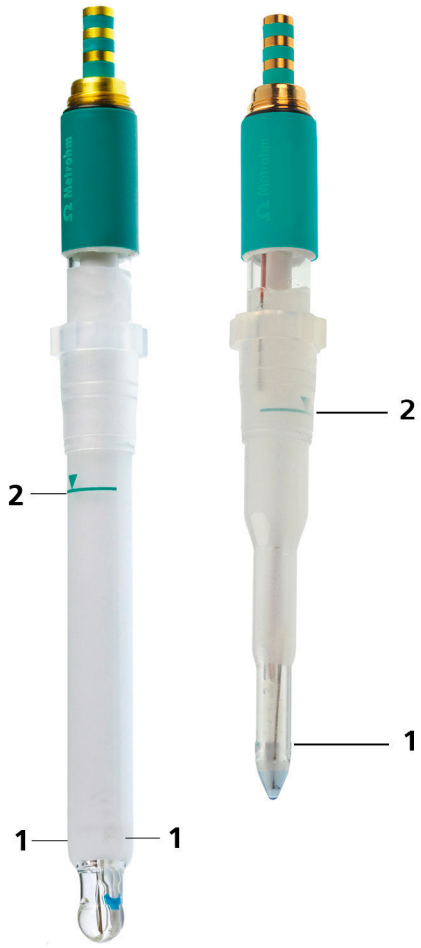
2021-04-30
8.109.8061EN



1 pH gel electrodes

1.1 General

Immediately after receiving the electrode, check to make sure that it works properly (carry out a pH calibration or Metrohm electrode test). Electrodes that do not work properly must be sent back for warranty processing within two months (starting from the day of delivery). If the defect is proven to be due to a material or manufacturing defect, the electrode will be replaced at no charge. The transport costs are to the customer's account.

The electrode test can be performed using the 780/781 pH/Ion Meter or a Titrando with Touch Control or tiamo. Select the electrode type "Gel".

CAUTION

Remove the spearhead electrode (6.0226.100 / 6.00226.600) carefully and slowly from the storage vessel or from the sample. If you remove the electrode too quickly, the gel could tear and the sensor will become unusable.

1.2 Measuring

Rinse the electrode after measuring. The tip of the electrode must remain clean (do not touch).

1.3 Cleaning the electrode

CAUTION

Do not use the ultrasonic bath for electrodes, as they may be damaged by such a treatment.

Use only a dampened cloth to wipe the electrode (wipe off residual grease with a cloth that has been moistened with alcohol). Do not wipe the electrode with a dry cloth and do not immerse it in alcohol. The electrode may not be cleaned with the pHit kit (6.2325.000).

1.4 Storing the electrode

The electrodes must be stored in saturated KCl. They may not be stored dry under any circumstances.

1.5 Maintaining the electrode

The electrodes are extremely low maintenance since they are filled with a solid electrolyte and are not refillable.

Over time, the gel will become transparent, starting from the diaphragm. Replace the electrode as soon as the transparent zone has reached the marking on the shaft **(2)**.

1.6 Hygroscopic samples

The electrodes must be conditioned in saturated KCl between the individual measurements in order to ensure that the electrolyte does not dry out.

Take care to ensure that the diaphragms **(1)** do not become contaminated or blocked.