

Operating Instructions for Lab pH Electrode LE407

Mettler-Toledo AG, Analytical
Sonnenbergstrasse 74
CH-8603 Schwerzenbach
Tel: +41 44 806 77 11
Fax: +41 44 806 73 50
<http://www.mt.com>

Subject to technical changes and to the availability
of the accessories supplied with the instruments.

Mettler-Toledo AG 2011
Printed in P.R.China Ver.D



1. When unpacking, check electrode for possible mechanical damage to the membrane, the diaphragm or the body. Electrodes subject to complaints must be returned to our agent in the original box indication the invoice number.
2. Take off watering cap and rinse electrode with distilled water. After rinsing with distilled water, wipe the electrode with a tissue. Do not rub as an increase of the response time might result.
3. Eliminate any air bubbles inside the membrane space of the measuring electrode by smoothly swinging the unit in the vertical plane. The lead-off element of glass electrode must dip into the inner buffer solution without any air bubbles.
4. To renew a dried out glass membrane, soak it for several hours in the appropriate storage solution. It is recommended to store glass electrodes, combined and reference electrodes in the reference electrolyte solution (as under 8).
5. After a long and dry storage period, the glass membrane can be activated with hydrofluoric acid (code No.51350104): dip the electrode membrane in this solution for 1min, followed by rinsing with distilled water and soaking for 12 hours in the storage solution.

6. Electrode LE407 is not refillable.

Order No.

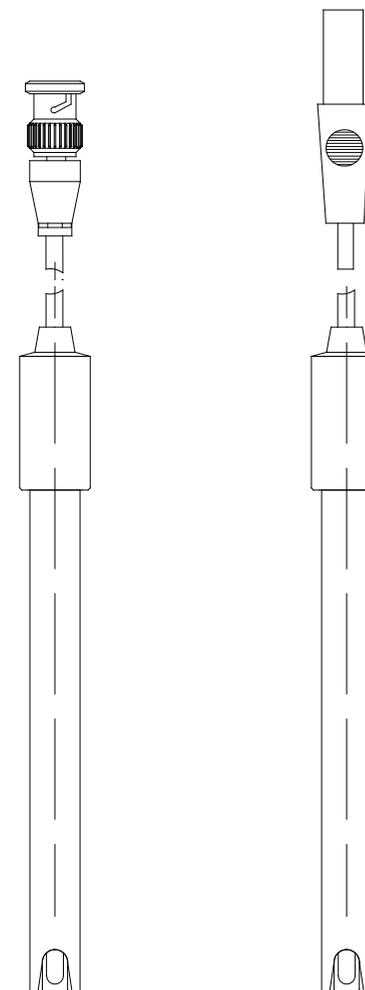
| | |
|----------|-----------|
| 51340330 | LE407 |
| 51340341 | LE407-DIN |

Specifications

| | |
|--------------------|-----------|
| pH range: | 0-14pH |
| Temperature range: | 0-80°C |
| Type of junction: | Nylon |
| Cable: | 1m |
| Connector: | |
| BNC | LE407 |
| DIN | LE407-DIN |
| Shaft length: | 120mm |
| Shaft diameter: | 12mm |

Storage

short term: 3M KCl (order No. 51350072), buffer pH 4 or 7
long term: 3M KCl electrolyte (order No. 51340072) in watering cap



LE407

LE407-DIN