


## Data Sheet CHEMOTRODE VP

The CHEMOTRODE VP sensors are designed to measure the pH in demanding applications in pharmaceutical and chemical industries. The EVEREF-F reference cartridge ensures the reference electrolyte remains free of silver and precipitation. The CHEMOTRODE VP has a refill hole which allows the refilling of the electrolyte and to pressurize the reference electrolyte.

### Application Fields:

Chemical industry, pharmaceutical industry

### Specifications:

|                           |   |
|---------------------------|---|
| Serial Number:            | Yes   |
| Certificate:              | No  |
| Measuring Method:         | Combination electrode, potential measured against reference electrode   |
| Range:                    | pH 0 ... 14   |
| Zero-Point:               | 0 ± 20 mV   |
| Sensitivity:              | 57 ... 59 mV / pH at 25°C   |
| Temperature Range:        | 0 ... 130°C   |
| Pressure Range:           | 0 ... 6 bar   |
| Electrolyte:              | Viscous 3M KCl-LR   |
| Reference System:         | HAMILTON EVEREF-F, Silver ion barrier included  |
| Liquid Earth:             | No  |
| Shaft Material:           | Glass   |
| Membrane glass:           | HAMILTON type PHI glass   |
| Sample: min Conductivity: | 50 µS/cm  |
| Diaphragm:                | HP-ceramics   |
| Number of diaphragm:      | 3   |
| Steam sterilizable:       | Yes   |
| Autoclavable:             | Yes   |
| CIP:                      | Yes   |
| Electrical Connector:     | VP 6.0 multipin connector with PG 13.5  |
| Temperature Sensor:       | Yes, Pt 1000  |
| ATEX approval:            | Yes, CE 0035  II 1/2 G EEx ia IIC T4/T5/T6 |
| Recommended Storage:      | HAMILTON Storage Solution (p/n 238931) or 3M KCl (p/n 238036 or 238936)   |



### Ordering Information:

| Part Number | Description       | a-length (a) |
|-------------|-------------------|--------------|
| 242700      | Chemotrode VP 120 | 120 mm       |
| 242701      | Chemotrode VP 150 | 150 mm       |
| 242703      | Chemotrode VP 250 | 250 mm       |

### Dimensional drawing:

