

## Sensor packages for Sartorius Stedim Bioreactor Systems, BIOSTAT A & B Hamilton

These packages were developed for the easy maintenance of the pH and dissolved oxygen sensors fixed on the Sartorius bioreactor Systems BIOSTAT A & B for fermentation processing. Each of the service kits include one EasyFerm Plus electrode at the described length for replacing the electrode on the bioreactor system and one DO Oxyferm membrane kit for maintaining the DO probe.

- pH electrode available with two different connector heads: S8 or VP 6
- Package simplifies the control of the sensors in the bioreactors systems
- Including certification traceable to international standards for quick and safe pH sensor 2-point calibration

**Delivery information:** Each package is supplied with one pH electrode EasyFerm Plus, two 250 ml pH buffer bottles (pH 4 and pH 7) with certification, three Oxyferm membrane bodies, one bottle of oxylyte electrolyte, pipette, two spare-o-rings and a polishing strip.

| Type               | pH     | Electrolyte           | Diaphr.      | Ø×L (mm) | Connection | Pk | Cat. No. |
|--------------------|--------|-----------------------|--------------|----------|------------|----|----------|
| Service kit K8 120 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×120   | K8         | 1  | 662-9249 |
| Service kit K8 160 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×160   | K8         | 1  | 662-9250 |
| Service kit K8 200 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×200   | K8         | 1  | 662-9251 |
| Service kit K8 225 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×225   | K8         | 1  | 662-9252 |
| Service kit K8 325 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×325   | K8         | 1  | 662-9253 |
| Service kit K8 425 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×425   | K8         | 1  | 662-9254 |
| Service kit VP 120 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×120   | VP 6       | 1  | 662-9255 |
| Service kit VP 160 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×160   | VP 6       | 1  | 662-9256 |
| Service kit VP 225 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×225   | VP 6       | 1  | 662-9257 |
| Service kit VP 325 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×325   | VP 6       | 1  | 662-9258 |
| Service kit VP 360 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×360   | VP 6       | 1  | 662-9259 |
| Service kit VP 425 | 0 - 14 | Pressurised PhermLyte | HP-Coatramic | 12×425   | VP 6       | 1  | 662-9260 |

## pH electrode solutions WTW

| Description                      | Pk     | Cat. No. |
|----------------------------------|--------|----------|
| Pepsin, cleaning solution 250 ml | 3      | 662-8291 |
| KCl 3 M saturated with AgCl      | 250 ml | 662-0335 |
| KCl 3 M                          | 250 ml | 662-0282 |



## Cleaning solutions for electrodes

For full information concerning health and safety data please see the VWR chemical catalogue or the [www.vwr.com](http://www.vwr.com) website.

| Description              | Pk     | Cat. No.  |
|--------------------------|--------|-----------|
| Pepsin/hydrochloric acid | 500 ml | 83603.260 |
| Pepsin/hydrochloric acid | 1 l    | 83603.290 |



## Electrode stand, pPhenomenal®



Electrode arm moves smoothly in almost any direction, holding up to 4 electrodes + 1 temperature sensor safely and securely in selected positions. Fingertip control raises, lowers, and pivots the holder. The arm articulates at three points while maintaining electrodes in a vertical position.

- Ideal for multiple readings
- Accepts all standard electrodes
- Pivots 360°, extends 53 cm

| Description   | Pk | Cat. No. |
|---|----|----------|
| pPhenomenal® electrode stand, holds up to 4 electrodes + 1 temperature sensor | 1  | 662-1169 |