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## Lab and Field



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### pH Sensors for Laboratory & Field Use

| General Purpose Laboratory & Field pH Sensor  |   |             |         |   |        |                                  |        |                                 |        |  |        |
|---|---|-------------|---------|---|--------|----------------------------------|--------|---------------------------------|--------|--|--------|
|  |   |             |         |   |        |                                  |        |                                 |        |  |        |
| <b>Description</b>  | Epoxy body combination pH sensor, with screw-on membrane guard. The Porous Teflon reference system makes this sensor suitable for most applications, including Wines, Soil Suspensions and other solutions that can clog inferior sensors. Submersible to 1 metre.  |             |         |   |        |                                  |        |                                 |        |  |        |
| <b>pH range</b>   | 0 to 14 pH  |             |         |   |        |                                  |        |                                 |        |  |        |
| <b>Temperature Range</b>  | 0 to 60 °C (32 to 140 °F)   |             |         |   |        |                                  |        |                                 |        |  |        |
| <b>Reference System</b>   | Ag/AgCl, double junction with Porous Teflon junction.   |             |         |   |        |                                  |        |                                 |        |  |        |
| <b>Dimensions</b>   | 120 x 12 mm   |             |         |   |        |                                  |        |                                 |        |  |        |
| <b>Ordering Information</b>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Description</th> <th>Part No</th> </tr> </thead> <tbody> <tr> <td>Sensor with 1m cable &amp; NO PLUG<br/><small>(go to the <a href="#">Connectors</a> page for a listing of available plugs)</small></td> <td>121205</td> </tr> <tr> <td>Sensor with 1m cable &amp; TPS4 Plug</td> <td>121206</td> </tr> <tr> <td>Sensor with 1m cable &amp; BNC Plug</td> <td>121207</td> </tr> <tr> <td>Sensor with 1m cable &amp; Waterproof BNC Plug</td> <td>121208</td> </tr> </tbody> </table> | Description | Part No | Sensor with 1m cable & NO PLUG<br><small>(go to the <a href="#">Connectors</a> page for a listing of available plugs)</small> | 121205 | Sensor with 1m cable & TPS4 Plug | 121206 | Sensor with 1m cable & BNC Plug | 121207 | Sensor with 1m cable & Waterproof BNC Plug | 121208 |
|   | Description   | Part No     |         |   |        |                                  |        |                                 |        |  |        |
|   | Sensor with 1m cable & NO PLUG<br><small>(go to the <a href="#">Connectors</a> page for a listing of available plugs)</small>   | 121205      |         |   |        |                                  |        |                                 |        |  |        |
|   | Sensor with 1m cable & TPS4 Plug  | 121206      |         |   |        |                                  |        |                                 |        |  |        |
|   | Sensor with 1m cable & BNC Plug   | 121207      |         |   |        |                                  |        |                                 |        |  |        |
| Sensor with 1m cable & Waterproof BNC Plug  | 121208  |             |         |   |        |                                  |        |                                 |        |  |        |
|   |   |             |         |   |        |                                  |        |                                 |        |  |        |

### Submersible pH Sensor



|                             |   |                |
|-----------------------------|---|----------------|
| <b>Description</b>          | Epoxy body combination pH sensor, with integral membrane guard. Submersible to 50 metres. |                |
| <b>pH range</b>             | 0 to 14 pH  |                |
| <b>Temperature Range</b>    | 0 to 60 °C (32 to 140 °F)   |                |
| <b>Reference System</b>     | Ag/AgCl, single junction with Porous Teflon junction.                                     |                |
| <b>Dimensions</b>           | 120 x 12 mm   |                |
| <b>Ordering Information</b> | <b>Description</b>  | <b>Part No</b> |
|                             | Sensor with 5m cable & Waterproof BNC Plug  | 111224         |
|                             | Sensor with 10m cable & Waterproof BNC Plug   | 111225         |
|                             | Sensor with 2m cable & Waterproof BNC Plug  | 111230         |
|                             | Sensor with 1m cable & Waterproof BNC Plug  | 121227         |

### Intermediate Junction pH Sensor



|                             |  |  |
|-----------------------------|--|--|
| <b>Description</b>          | Epoxy body combination pH sensor, with unique Intermediate Junction reference design. The sleeve at the end of the sensor can be removed for cleaning. Two sleeves are provided - one with protective fins (as shown), and a narrow sleeve suitable for insertion into meats, cheeses etc. |  |
| <b>pH range</b>             | 0 to 14 pH   |  |
| <b>Temperature Range</b>    | 0 to 60 °C (32 to 140 °F)  |  |
| <b>Reference System</b>     | Ag/AgCl, with Intermediate Junction reference.   |  |
| <b>Dimensions</b>           | 120 x 12 mm (diameter of spear sleeve is 8mm)  |  |
| <b>Ordering Information</b> |  |  |

| <i>Description</i>  | <i>Part No</i> |
|---|----------------|
| Sensor with 10m cable & NO Plug<br>(go to the <a href="#">Connectors</a> page for a listing of available plugs) | 111223         |
| Sensor with 5m cable & NO Plug<br>(go to the <a href="#">Connectors</a> page for a listing of available plugs)  | 111227         |
| Sensor with 1m cable & TPS4 Plug  | 121232         |
| Sensor with 1m cable & BNC Plug   | 121234         |
| Sensor with 1m cable & NO Plug<br>(go to the <a href="#">Connectors</a> page for a listing of available plugs)  | 121236         |

### Micro pH Sensor



|                             |  |                |
|-----------------------------|--|----------------|
| <b>Description</b>          | Glass body combination pH sensor, with 4.5mm diameter tip.   |                |
| <b>pH range</b>             | 0 to 14 pH   |                |
| <b>Temperature Range</b>    | 0 to 80 °C (32 to 176 °F)  |                |
| <b>Reference System</b>     | Ag/AgCl, with Ceramic Frit junction.   |                |
| <b>Dimensions</b>           | 120 mm Total length<br>80 x 12 mm main body<br>40 x 4.5mm tip<br>Sensor must be immersed to at least 10mm for correct operation. |                |
| <b>Ordering Information</b> | <b>Description</b>   | <b>Part No</b> |
|                             | Sensor with 1m cable & NO Plug<br>(go to the <a href="#">Connectors</a> page for a listing of available plugs)                   | 121210         |

### Glass Bodied pH Sensor



|                    |  |
|--------------------|--|
| <b>Description</b> | Glass body combination pH sensor. The Annular junction makes this sensor suitable for general purpose use as well as for slurries. |
|--------------------|--|

|                             |   |                |
|-----------------------------|---|----------------|
| <b>pH range</b>             | 0 to 14 pH  |                |
| <b>Temperature Range</b>    | 0 to 80 °C (32 to 176 °F)   |                |
| <b>Reference System</b>     | Ag/AgCl, with Annular Ceramic junction  |                |
| <b>Dimensions</b>           | 120 x 12 mm   |                |
| <b>Ordering Information</b> | <b>Description</b>  | <b>Part No</b> |
|                             | Sensor with 1m cable & NO Plug<br><small>(go to the <a href="#">Connectors</a> page for a listing of available plugs)</small> | 121220         |

### Flat ended pH Sensor



|                             |   |                |
|-----------------------------|---|----------------|
| <b>Description</b>          | Epoxy body combination pH sensor with flat bulb and reference for measuring pH of flat surfaces.                              |                |
| <b>pH range</b>             | 0 to 14 pH  |                |
| <b>Temperature Range</b>    | 0 to 60 °C (32 to 140 °F)   |                |
| <b>Reference System</b>     | Ag/AgCl, with Porous Teflon junction  |                |
| <b>Dimensions</b>           | 120 x 12 mm   |                |
| <b>Ordering Information</b> | <b>Description</b>  | <b>Part No</b> |
|                             | Sensor with 1m cable & NO Plug<br><small>(go to the <a href="#">Connectors</a> page for a listing of available plugs)</small> | 121223         |

### Glass Bodied pH Sensor with Calomel Reference



|                             |  |  |
|-----------------------------|--|--|
| <b>Description</b>          | Glass body combination pH sensor with Calomel reference. |  |
| <b>pH range</b>             | 0 to 14 pH   |  |
| <b>Temperature Range</b>    | 0 to 60 °C (32 to 140 °F)                                |  |
| <b>Reference System</b>     | Hg/HgCl  |  |
| <b>Dimensions</b>           | 120 x 12 mm  |  |
| <b>Ordering Information</b> |  |  |

| Description  | Part No |
|--|---------|
| Sensor with 1m cable & NO Plug<br>(go to the <a href="#">Connectors</a> page for a listing of available plugs) | 121224  |



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