

PG13.5

pH and Redox Electrodes



Features

- Double junction reference
- Euro standard PG13.5 cap style
- Fast response full range pH glass formula
- Detachable cables

The P11, P14, O11, O14 and GT135 electrodes are 12mm diameter electrodes with the European standard PG13.5 configuration. The 12mm x 120mm size fits a wide array of housings found in both industrial and waste water treatment applications. This standard design simplifies electrode stocking, as one sensor can now serve as a replacement for numerous installations.

The detachable lead arrangement on the top of the sensor enables simple maintenance and saves the cost of a replacement cable.

Available also as Redox (ORP) sensors which utilise a large surface area 99.99% pure platinum band for a fast stable response. The P14 and O14 electrodes have an Epoxy body while the P11 and O11 electrodes have a glass body. The GT135 pH electrodes have minimum drift due to a special reference-pH glass design and come with a built in PT1000 temperature compensator.

Connection cables are available in standard lengths of 1, 5 and 10 metres.

LTH Electronics can supply a wide range of electrode holders to suit the range of PG13.5 pH and Redox electrodes on offer. Please contact our sales department for details.

Specification

P14 pH electrode

pH range

0-14pH

E0 point

-25 to +25mv

Temperature range

0-100°C

Response time:

< 30 seconds for 95% FSD

Reference

AgCl, gel filled single junction

Junction type

Porous Teflon

Body

Epoxy

Shaft length

120mm

Stem diameter

11.8-12.2mm

P11 pH electrode

pH range

0-14pH

E0 point

-25 to +25mv

Temperature range

0-100°C

Response time:

< 30 seconds for 95% FSD

Reference

AgCl, liquid filled single junction

Junction type

Annular ceramic

Body

Glass

Shaft length

120mm

Stem diameter

11.8-12.2mm

GT135 pH Electrode

pH range

0-14pH

E0 point

-25 to +25mv

Temperature range

0-135°C

Response time:

< 30 seconds for 95% FSD

Reference

AgCl, gel filled single junction

Junction type

Porous Teflon

Body

Epoxy

Shaft length

120mm

Stem diameter

11.8-12.2mm

O14 Redox electrode

Range

0-1000mv

Temperature range

0-80°C

Reference

AgCl, single junction

Junction type

Teflon

Body

Epoxy

Shaft length

120mm

Stem diameter

11.8-12.2mm

O11 Redox Electrode

Range

0-1000mv

Temperature range

0-80°C

Reference

AgCl, liquid filled single junction

Junction type

Annular ceramic

Body

Glass

Shaft length

120mm

Stem diameter

11.8-12.2mm

Order Codes

PG 13.5 pH & Redox Sensors for use with PME20 & WPA series holders.

Type No	Part No	Description
P14	138/031	Polymer body double junction pH electrode, 0-80°C. P14/NS/S8/DJ
O14	138/062	Polymer body double junction Redox electrode, 0-80°C. O14/BND/NS/DJ/S8
PI1D	138/022	Glass body double junction pH electrode, -5-110° C.PI1D/S8
OI1D	138/060	Glass body double junction Redox electrode, -5-110° C.
GT135	138/020	PG13.5 pH electrode with built in PT1000 temperature compensation. GT135-B120-PT1000-VP6-PG

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Type No	Part No	Description
CLS/CH	138/128	1 metre detachable cable, CLS/CH/1M/Tags
CLS/CH	138/129	5 metre detachable cable, CLS/CH/5M/Tags
CLS/CH	138/124	10 metre detachable cable, CLS/CH/10M/Tags
VP6	138/021	1 metre connection cable for use with GT135 pH electrode
VP6	138/023	5 metre connection cable for use with GT135 pH electrode



These products comply with current European Directives