

Electrode Selection Chart

Sample Type	P10†	P11	P11HA	P12	P13	P14	P16	P17	P18	P19	P20	P21
Agar	X	X	X	X	X	X	X	✓	X	X	X	X
Alkalines (high)	X	X	✓	X	X	X	X	X	X	X	X	X
Beer	✓	✓	X	✓	✓	✓	X	✓	X	X	✓	✓
Blood Products	✓	✓	X	✓	✓	*	*	✓	X	X	*	✓
Bread, Dough	X	X	X	X	X	X	X	*	✓	✓	X	X
Cement	*	✓	✓	*	*	*	X	*	*	*	*	*
Cosmetics	*	✓	X	✓	✓	✓	X	✓	*	*	*	✓
Dairy Products	*	✓	X	✓	✓	*	X	✓	*	✓	X	X
Education	✓	✓	*	*	*	✓	*	✓	*	*	✓	*
Fats/Cream	*	*	X	*	X	X	X	*	*	✓	X	X
Field Use	X	*	X	X	X	✓	X	✓	✓	*	✓	X
Fish Products	*	*	X	*	*	*	X	✓	*	✓	X	*
Lab Flasks	X	X	X	✓	X	X	X	X	X	X	X	X
Low Ionic	*	✓	X	*	X	X	X	X	X	X	X	✓
Meat, Cheese	X	X	X	X	X	X	X	✓	*	✓	X	X
Micro Samples	X	X	X	*	✓	X	*	*	X	*	X	X
Paint	✓	X	X	✓	✓	X	X	✓	X	X	X	X
Photographic	X	X	✓	X	X	X	X	X	X	X	X	X
Soil	*	*	X	*	*	*	X	X	✓	✓	X	X
Surface	X	X	X	X	X	X	X	✓	X	X	X	X
Test Tubes	X	X	X	✓	*	X	✓	X	X	X	X	X
Tris Buffer	X	X	X	X	X	X	✓	X	X	X	X	X
Viscose Samples	X	X	X	X	X	X	X	✓	*	*	X	X

✓ Recommended

* Satisfactory

X Not Suitable

NOTE: For Emulsions, Liquors, Non-Aqueous samples and Oils use type P11 5050

For Hydrofluoric Acid samples use type P14/HF

† Requires separate reference electrode type R1 or R2 consult your dealer

pH Electrodes

All electrodes (except P10) are combination type with integral reference.

Each electrode is supplied with 1 metre of cable and a BNC plug as standard. If an additional cable length or alternative plug is required, please specify when ordering.



P10 - Application: General



P11 - Application: Liquids
*P11/ROD also available



P12 - Application: Liquids



P13 - Application: Liquids
*P13/4/180/NMR - Long reach available



P14 - Application: General



P15 - Application: Low Cond. Waters



P16 - Application: Tris



P17 - Application: Surface



P18 - Application: Slurries



P19 - Application: Semi-solids



P20 - Application: General
*Has integral temperature compensation



P21 - Application: Colloids/low Cond.

Order No	pH Range	Temp Range °C	Ref Type	Junction Type	Dim. mm	Stem mm	Combination	Body Type
P10	0-14	0-80	-	-	120x12	-	No	Glass
P11*	0-14	0-80	AgCl	Annular Ceramic	120x12	-	Yes	Glass
P12	0-14	0-80	AgCl	Frit Ceramic	-	150x6	Yes	Glass
P13*	0-14	0-80	AgCl	Frit Ceramic	-	90x4.5	Yes	Glass
P14	0-14	0-60	AgCl	Porous Teflon	120x12	-	Yes	Epoxy
P15	0-11	0-50	HgCl	Annular Ceramic	120x12	-	Yes	Glass
P16	0-14	0-50	HgCl	Frit Ceramic	-	90x6	Yes	Glass
P17	0-14	0-80	AgCl	Porous Teflon	120-12	-	Yes	Epoxy
P18	0-14	0-80	AgCl	Annular Ceramic	120x12	-	Yes	Glass
P19	0-14	0-80	AgCl	Frit Ceramic	-	40x6	Yes	Glass
P20*	0-14	0-100	AgCl	Ceramic Teflon	120x12	-	Yes	Epoxy
P21	0-14	0-80	AgCl	Sleeve	120x12	-	Yes	Glass

Industrial Electrodes

PI10 and KI10 are detachable lead electrodes. PI11 and KI11 are supplied with 5 metres of cable as standard. If additional length is required please specify when ordering. ATC can be built in, please specify when ordering. PI10/KI10 -PG13.5 thread. PI11/KI11 - 3/4 NPT.



PI11 - Application: Industrial Dip



KI11 - Application: Industrial Dip



PI10 - Application: Industrial Pipeline



KI10 - Application: Industrial Pipeline

Order No.	pH Range	Temp Range °C	Ref. Type	Junction Type	Dim. mm	Stem mm	Combination	Body Type
PI10	0-14	0-130	AgCl	Porous Teflon	120x12	-	Yes	Glass
PI11	0-14	0-100	AgCl	Porous Teflon	150x25.9	-	Yes	Ryton
Order No.	Range	Temp Range °C	Body Type	Plate Material	Dim. mm	Pressure (psi)	Cell Constant	
KI10	0-200mS	0-100	Glass	Pt	120x12	100	K=1	
KI11	0-10mS	0-50	Ryton	Carbon	150x25.4	100	K=1	

Metal Electrodes

Types 01 and 03 are supplied with 1 metre of cable and a BNC plug as standard. Type 02 is supplied with 1 metre of cable and 2x4mm plugs as standard.

NOTE: Types 01 and 03 are available in Silver and Gold - add suffix S or G when ordering



O1 - Application: General



O2 - Application: Karl Fischer



O3 - Application: General

Order No.	Temp Range °C	Ref Type	Junction Type	Dim. mm	Combination	Body Type
01	0-80	AgCl	Annular Ceramic	120x12	Yes	Glass
02	0-80	-	-	120x12	Yes	Glass
03	0-80	-	-	120x12	No	Glass

Laboratory Conductivity Cells

Supplied with 1 metre of cable. ATC optional, please specify when ordering.

Types K20, K21, K22 and K25 are glass free. Type K25 is a 4 ring.

SENTEK manufacture electrodes for many major OEM customers and welcome enquiries for custom built OEM products.



K10 - Application: General



K20 - Application: Paints, Inks, Dyes, Foodstuffs



K21 - Application: Pure Water



K22 - Application: Solutions with High Cond.



K25 - Application: Aqueous/Non Aqueous



K30 - Application: Flow Through



K40 - Application: Pure Water

Order No	Range	Temp Range °C	Body Type	Plate Material	Dim. mm	Cell Constant
K10	0-150mS	0-50	Glass	Pt	120x12	K=1
K20	0-10mS	0-50	Epoxy	Carbon	120x12	K=1
K21	0-500µS	0-50	Epoxy	Carbon	120x12	K=0.1
K22	0-0.5S	0-50	Epoxy	Carbon	120x12	K=10
K25*	0-1S	0-50	Epoxy	Carbon	120x12	K=0.55
K30	0-150mS	0-50	Glass	Pt	120x12	K=1
K40	0-500µS	0-50	Glass	Pt	120x12	K=0.1

NOTE: When ordering conductivity cells please specify make and model of conductivity meter.

* Of particular interest to instrument manufacturers.

Ion Selective Electrodes and Accessories Combination

Main features and benefits include:

- No Reference electrode needed
- Available in fully submersible and waterproof format
- Solid state sensors
- Ideal for unskilled operatives
- No filling solution
- Virtually unbreakable
- Can be left dry for long periods
- Long lifetime



Cable length can be specified at the time of ordering. Maximum length is 10 metres. Standard products are fitted with 1 metre of cable terminated with a BNC connector.

Dimensions: 120 x 12mm.

These electrodes can be used with any conventional laboratory or handheld pH meter with a millivolt mode.

Please specify the type of connector required when ordering.

Order No	Description	Concentration	Limits (ppm)	Temp Range °C	Main Interference's	pH Range	ISAB
362-75	Ammonium (NH ₄ ⁺)	0.5 - 5 x 10 ⁻⁵	9,000 - 0.9	0 - 50	K ⁺ , Na ⁺	0 - 8.5	CH ₃ COOH
368-75	Barium (Ba ²⁺)	10 ⁻¹ - 10 ⁻⁵	13,000 - 1.4	0 - 50	Sr ²⁺ , K ⁺ , Na ⁺	3 - 10	CuSO ₄
375-75	Bromide (Br)	1 - 5 x 10 ⁻⁶	81,000 - 0.4	5 - 50	I ⁻ , CN ⁻ , S ²⁻	1 - 12	5M KNO ₃
373-75	Cadmium (Cd ²⁺)	10 ⁻¹ - 1 x 10 ⁻⁶	11,200 - 0.1	5 - 50	Hg ²⁺ , Ag ⁺ , Cu ²⁺	3 - 7	5M KNO ₃
361-75	Calcium (Ca ²⁺)	10 ⁻¹ - 5 x 10 ⁻⁷	4,010 - 0.02	0 - 50	Ba ²⁺ , Al ³⁺ , Sr ²⁺	3.5 - 11	KCl
364-75	Chloride (Cl)	1 - 3 x 10 ⁻⁶	35,000 - 1	5 - 50	I ⁻ , Br, CN ⁻ , S ²⁻	1 - 12	5M KNO ₃
379-75	Cupric (Cu ²⁺)	10 ⁰ - 1 x 10 ⁻⁷	64,000 - 0.006	5 - 50	Hg ²⁺ , Ag ⁺ , S ²⁻	2 - 7	5M KNO ₃
377-75	Cyanide (CN ⁻)	10 ⁻² - 1 x 10 ⁻⁶	260 - 0.03	5 - 50	I ⁻ , S ²⁻ , Br ⁺	11 - 13	10M NaOH
365-75	Fluoride (F)	10 ⁻¹ - 1 x 10 ⁻⁶	1,900 - 0.02	5 - 50	CH ⁻	4 - 8	TISAB
376-75	Iodide (I ⁻)	1 - 5 x 10 ⁻⁷	127,000 - 0.06	5 - 50	CN ⁻ , S ²⁻	2 - 12	5M KNO ₃
372-75	Lead (Pb ²⁺)	10 ⁻¹ - 1 x 10 ⁻⁶	20,800 - 0.02	5 - 50	Hg ²⁺ , Ag ⁺ , Cu ²⁺	3 - 7	LiAC
360-75	Nitrate (NO ₃ ⁻)	1 - 7 x 10 ⁻⁶	62,000 - 0.4	0 - 50	Cl ⁻ , NO ⁻	2 - 11	4M (NH ₄) ₂ SO ₄
367-75	Perchlorate (ClO ₄ ⁻)	1 - 2 x 10 ⁻⁶	99,500 - 0.2	0 - 50	I ⁻ , SCN ⁻ , NO ₃ ⁻	0 - 11	CH ₃ COONa
366-75	Potassium (K ⁺)	1 - 10 ⁻⁶	39,000 - 0.04	0 - 50	Cs ⁺ , NH ₄ ⁺	1 - 9	TEAC
371-75	Silver (Ag ⁺)	10 ⁰ - 1 x 10 ⁻⁷	107,900 - 0.01	5 - 50	S ²⁻ , Hg ²⁺	1 - 9	5M KNO ₃
315-77	Sodium (Na ⁺)	3 - 10 ⁻⁷	69,000 - 0.002	0 - 50	Ba ²⁺ , Li ⁺ , K ⁺	1 - 9	SISAB
378-75	Sulphide (S ²⁻)	1 - 1 x 10 ⁻⁷	32,00 - 0.003	5 - 50	Ag ⁺ , Hg ²⁺	13 - 14	10M NaOH
380-75	Thiocyanate (SCN ⁻)	10 ⁻¹ - 2 x 10 ⁻⁶	5,800 - 1	5 - 50	I ⁻ , Cl ⁻ , S ²⁻ , Br	2 - 12	5M KNO ₃
370-75	Water Hardness	2 x 10 ⁻¹ - 5 x 10 ⁻⁵	-	0 - 50	Ba ²⁺ , Cd ²⁺ , Cu ²⁺	4.5 - 10	LiAC
321-75	Ammonia (NH ₃)	1M - 10 ⁻⁶ M	0.02	0 - 50	Hydrazine & Aliphatic Amines	11 - 13	1M NaOH

The SENTEK range of standard mono ion selective electrodes are ideal for applications where high accuracy is required, particularly where ion levels are low (<1ppm)



Standard Range of Mono Ion Selective Electrodes

Require separate reference electrode. (see chart)

Order No	Description	Concentration Range (Mol/L)	Lower Limits (ppm)	Temp Range (°C)	Ref. Elec.	Main Interference's	pH Range	ISAB
334-75	Ammonium (NH ₄ ⁺)	10 ⁻¹ - 10 ⁻⁶ M	0.02	0 - 50	R2	K ⁺ =1.2x10 ⁻¹ , Na ⁺ 2.0x10 ⁻³ , Mg ²⁺ =2.0x10 ⁻⁴	5 - 8	4M LiAc
312-75	Barium (Ba ²⁺)	1M-5 x 10 ⁻⁶ M	10	0 - 50	R2	Na ⁺ =4x10 ⁻⁴ , K ⁺ =9x10 ⁻³ , Ca ²⁺ =2.5x10 ⁻²	5 - 9	4M LiAc
302-75	Bromide (Br)	1M-5 x 10 ⁻⁶ M	0.4	0 - 80	R2	I ⁻ , S ²⁻ , CN ⁻ must be absent, OH ⁻ =3x10 ⁻⁵ , Cl ⁻ =2.4x10 ⁻²	2 - 12	5M NaNO ₃
309-75	Cadmium (Cd ²⁺)	10 ⁻¹ - 10 ⁻⁶ M	0.2	0 - 80	R1	Ag ⁺ , Hg ²⁺ , Cu ²⁺ <10 ⁻⁷ M	3 - 7	5M MaNO ₃
310-75	Calcium (Ca ²⁺)	1M-5 x 10 ⁻⁷ M	0.02	0 - 50	R2	Mg ²⁺ , Ba ²⁺ , Pb ²⁺ , Zn ²⁺ , Na ⁺	4 - 9	4M KCl
301-75	Chloride (Cl ⁻)	1M-5 x 10 ⁻⁵ M	1.8	0 - 80	R2	Br, I ⁻ , CN ⁻ must be absent, S ²⁻ must be less than 10 ⁻⁷ M	2 - 11	5M NaNO ₃
306-75	Copper (Cu ²⁺)	1M-5 x 10 ⁻⁶ M	0.3	0 - 80	R2	S ²⁻ , Ag ⁺ , Hg ²⁺ should be absent, Cl ⁻ , Br ⁻ interfere	0 - 7	5M NaNO ₃
304-75	Cyanide (CN ⁻)	10 ⁻² -10 ⁻⁶ M	0.03	0 - 80	R2	S ²⁻ , must be, <10 ⁻⁷ M, = 1.0	10 -14	5M NaOH
333-75	Fluoride (F ⁻)	1M-5 x 10 ⁻⁷ M	0.01	0 - 80	R1	OH ⁻ = 10 ⁻¹	5 - 4	TISAB
303-75	Iodide (I ⁻)	1M-10 ⁻⁷ M	0.02	0 - 80	R2	S ²⁻ =10 ⁻¹ must be <10 ⁻⁷ M/CN=1.0	3 - 12	5M NaNO ₃
307-75	Lead (Pb ²⁺)	10 ⁻¹ -5 x 10 ⁻⁶ M	1.0	0 - 80	R2	S ²⁻ , Ag ⁺ , Hg ²⁺ should be absent, Cd ²⁺ , Cu ²⁺ , Fe ³⁺ , interfere	0 - 9	5M KNO ₃
311-75	Nitrate (NO ₃ ⁻)	1M-5 x 10 ⁻⁶ M	0.08	0 - 50	R1/R2	Cl ⁻ , NO ₂ ⁻ , Br, SO ₄ ²⁻ , F ⁻ , ClO ₃ ⁻ , ClO ₄ ⁻	3 - 10	1M KH ₂ PO ₄
314-75	Potassium (K ⁺)	1M-10 ⁻⁹ M	0.04	0 - 50	R2	Na ⁺ , Ca ²⁺ , Rb ⁺ , Mg ²⁺ , Cs ⁺ , NH ₄ ⁺	4 - 9	TEAC
308-75	Silver (Ag ⁺)	1M-10 ⁻⁷ M	0.01	0 - 80	R2	S ²⁻ , Hg ²⁺ must be absent	2 - 9	5M NaNO ₃
315-75	Sodium (Na ⁺)	Sat.-10 ⁻⁶ M	1ppb	-5 - +70	R2	Li ⁺ , K ⁺ , NH ₄ ⁺ /Ag should be absent	2 - 12	SISAB
305-75	Sulphide (S ²⁻)	1M-10 ⁻⁷ M	0.003	0 - 80	R1	Hg ²⁺ , Ag ⁺ must be absent	12 - 14	SAOB
331-75	Voltmmetric Ind.	-	-	0 - 80	R1	-	-	-

NOTE: For full details on interference and recommended solutions please consult the SENTEK "Specification Chart for Ion Selective Electrodes". A copy of this can be obtained from your dealer.

Reference Cells

Supplied with 1 meter of cable and a 2mm plug as standard. (R1, R2, R3, and R4).
Dimensions 120mm x 12mm.



R1 - Calomel (Hg/Cl) Glass



R1/Ag



R2 - Calomel (Ag/Cl) DJ



R3 - Calomel (Hg/Cl) Capillary



R4 - Epoxy bodied Ag/Cl

Order No.	Temp Range °C	Ref. Type	Junc. Type
R1	0 - 50	HgCl	Frit Ceramic
R1/Ag	0 - 50	AgCl	Frit Ceramic
R2	0 - 50	AgCl	Frit Ceramic
R3	0 - 50	HgCl	Capillary
R4	0 - 100	AgCl	Teflon

SOLID GEL pH SENSORS



P14/SG/BNC



P14/SG/S8



P14/SG/1/2" BSP/Fixed Cable

These combination electrodes, employing the use of solid gel, were designed with the water industry very much in mind. Capable of being used with portable instruments, and on-line, they will give optimum performance in cold water. The gel retains salt, and maintains zero potential for a much longer period of time. The mechanical strength of the gel allows the use of a junction with a much higher porosity than previous designs. This benefits the user in the following ways:

1. The response time to equilibrium is improved, especially at low temperatures.
(high porosity = low temperatures)
2. Accuracy is improved due to liquid junction potentials, or "errors" in samples of different ionic strength being minimised.

Therefore, we have:

- | | | | |
|---|------------------------------|---|-----------------------------------|
| # | Fast response to equilibrium | # | Less frequent calibrations |
| # | Improved accuracy | # | Greater stability |
| # | Longer electrode life | # | Optimum performance in cold water |

Order No.	PH Range	Temp Range °C	Ref. Type	Junction Type	Dim. mm	Body Type	Pressure	Termination
P14/SG/BNC (114-707)	0 - 14	0 - 60	AgCl	Porous Teflon	120 x 12	Epoxy	5 Bar	BNC Plug *
P14/SG/S8 (114-712)	0 - 14	0 - 60	AgCl	Porous Teflon	120 x 12	Epoxy	5 Bar	S8 Cap
P14/SG/1/2" BSP/Fixed Cable (114-713)	0 - 14	0 - 60	AgCl	Porous Teflon	120 x 12	Epoxy	5 Bar	1/2" BSP Fixed Cable

* If alternative plug required, please specify.

NOTE: Any of the Sentek range of combination electrodes can be supplied with a solid gel filling.

STERPROBES

pH Electrodes for all Steam Sterilisable and autoclavable applications



- # For all sterile biotech applications
- # pg13.5 compatibility
- # Pressure resistant up to 10 bars

- # Almost zero maintenance
- # Minimum drift due to special reference-pH glass design

The **SterProbe** has been developed for use in food, beverage and pharmaceutical related applications. The combination of a special reference design and new pH glass formulation makes it the ultimate pH probe for your bio-reactor and ensures minimum drift, fast response and accurate pH readings. The **SterProbe** has a spherical shaped pH bulb, making breakage virtually impossible.

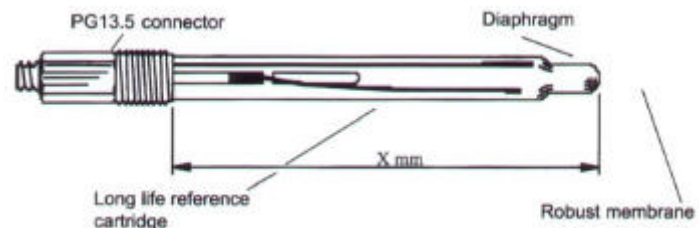
The **SterProbe** can be used equally well in small bio-reactors and in large scale fermentation processes.

Specifications

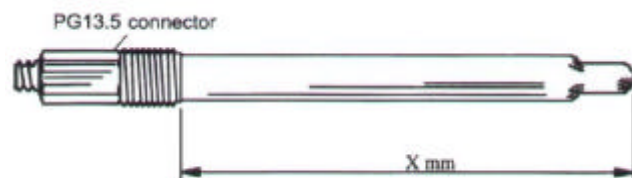
pH Range	Pressure Range	Temperature Range	Compatibility	Connector
0 to 14	Max. 10 bars	0 to 135°C	With all pH transmitters	Euro-standard with PG13.5

Model: Gel filled pH electrode, Euro-standard PG13.5

Part No.	Type No.	Immersion Depth
135 - 75	GT135-B120-S8	120mm
135 - 76	GT135-B130-S8	130mm
135 - 77	GT135-B150-S8	150mm
135 - 78	GT135-B210-S8	210mm
135 - 79	GT135-B225-S8	225mm
135 - 80	GT135-B260-S8	260mm
135 - 81	GT135-B325-S8	325mm
135 - 82	GT135-B425-S8	425mm
135 - 83	GT135-B480-S8	480mm



Model: Temperature sensor, glass, Euro-standard PG13.5



Part No. Pt100	Part No. Pt1000	Type No	Immersion Depth
135 - 05	135 - 14	TP135-B120-S8	120mm
135 - 06	135 - 15	TP135-B130-S8	130mm
135 - 07	135 - 16	TP135-B150-S8	150mm
135 - 08	135 - 17	TP135-B210-S8	210mm
135 - 09	135 - 18	TP135-B225-S8	225mm
135 - 10	135 - 19	TP135-B260-S8	260mm
135 - 11	135 - 20	TP135-B325-S8	325mm
135 - 12	135 - 21	TP135-B425-S8	425mm
135 - 13	135 - 22	TP135-B480-S8	480mm

Cables, housings and accessories are also available. Please consult your dealer for additional information. Alternative lengths are available. Details on request.

A full range of Disinfectant probes are available, comprising of Chlorine, Chlorine Dioxide, Hydrogen Peroxide, Ozone and Peracetic Acid.

Full details are available on request.

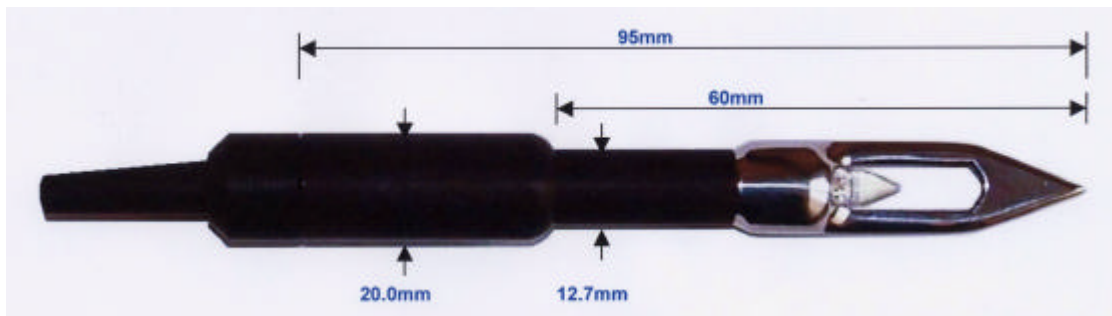
pH Knife Probe



For Measurement in Both Frozen and Defrosted Meat

- # Stainless Steel Tip protects pH electrode inserted in frozen meat
- # Temperature Range 0 - 80 °C
- # pH Range 0 - 14 pH

The KNIFE PROBE has been developed for use in the food industry where it is required to insert the electrode into frozen or semi-frozen foodstuffs. The stainless steel KNIFE protects the pH electrode from damage, but does not in any way prevent the glass sensor from effectively measuring the pH value of the sample. The KNIFE PROBE can be used with any pH meter on the market.



Ordering information

130 - 77	Knife Kit with probe (please specify meter for which this is to be used)
130 - 79	Replacement probe for Knife Kit

DISSOLVED OXYGEN ELECTRODES TYPES 601, & 603



SENTEK manufactures two types of dissolved oxygen electrodes one galvanic, and the other polarographic. Both are designed for laboratory measurements and have a standard 12mm body diameter.

In air-saturated water (20.9% Oxygen), the polarographic one has an output current of 600nA. The output of the galvanic electrode at saturation is 33-40mV.

The residual output in zero oxygen solutions for all the electrodes is less than 1% of the output in saturated water.

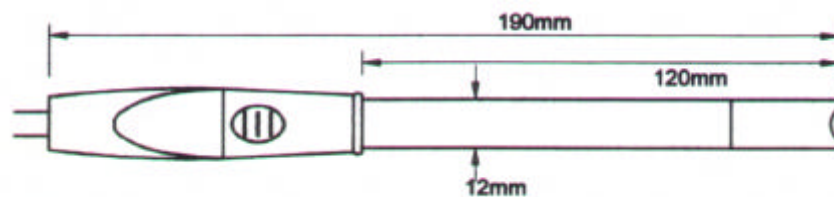
One or two A.T.C. sensors (Thermistor or Pt100/1000) may be fitted to customers specific requirements.

Replacing the Teflon membrane is quick and easy. Simply unscrew the old assembly, load the new one with fill solution and screw on to the electrode.

The electrode is supplied complete with 2 membrane assemblies and a 50 ml bottle of filling solution.

A 50ml bottle of Zero Oxygen solution is available for calibration purposes.

When ordering replacement electrodes please specify make and type of instrument for which the electrode is required.



Type	Output at Saturation	Output at Zero Oxygen	Polarisation Voltage	Membrane
601/ABCD Polarographic	600nA \pm 25%	<1% Saturation	800 mV	Teflon
603/ABCD Galvanic	33-40mV	<1% Saturation	N/A	Teflon

When ordering please specify:

A Length of cable required in metres
Pt=Platinum

B A.T.C. element (Th=Thermistor -

Resistance Element)

C Resistance value of A.T.C.

D Connector Type

e.g. 601/2m/Th10k/5pin DIN. 601 with 2m cable, 10k Thermistor A.T.C. and 5 pin DIN Connector

Consumables

pH Buffer capsules - supplied per box of 50 (100mls per capsule)



790-13 - pH 4



790-17 - pH 7



790-20 - pH 9



790-21 - pH 10



788-11 - 500ml
788-12 - 1Litre
788-13 - 5 Litre



788-14 - 500ml
788-15 - 1 Litre
788-16 - 5 Litre



788-17 - 500ml
788-18 - 1 Litre
788-19 - 5 Litre



788-20 - 500ml
788-21 - 1 Litre
788-22 - 5 Litre

791-15 - Electrode Cleaning Solution - 150 ml

791-65 - Electrode Storage Solution - 150 ml



Conductivity Standards - 500ml

789-11	1413uS
789-12	12.99mS
789-13	111.8mS



Reference Filling Solutions - 150ml

551-53	LiAc	551-69	(NH ₄) ₂ SO ₄
551-55	LiCl	551-54	TEAC.
551-64	KCl	551-56	NH ₄ Cl
551-66	NaNO ₃	551-65	KNO ₃
		551-68	3M KCl/AgCl

551-63	3.5M KCl/AgCl Partial Gel (for P17 & P21 Electrodes)
551-71	Fill Solution for Polarographic DO ₂ Electrode (30ml)
551-72	Fill Solution or Galvanic DO ₂ Electrode (30ml)
551-73	Zero Solution for Dissolved Oxygen Electrode (500ml)

521-13 Swing Arm Electrode Holder

