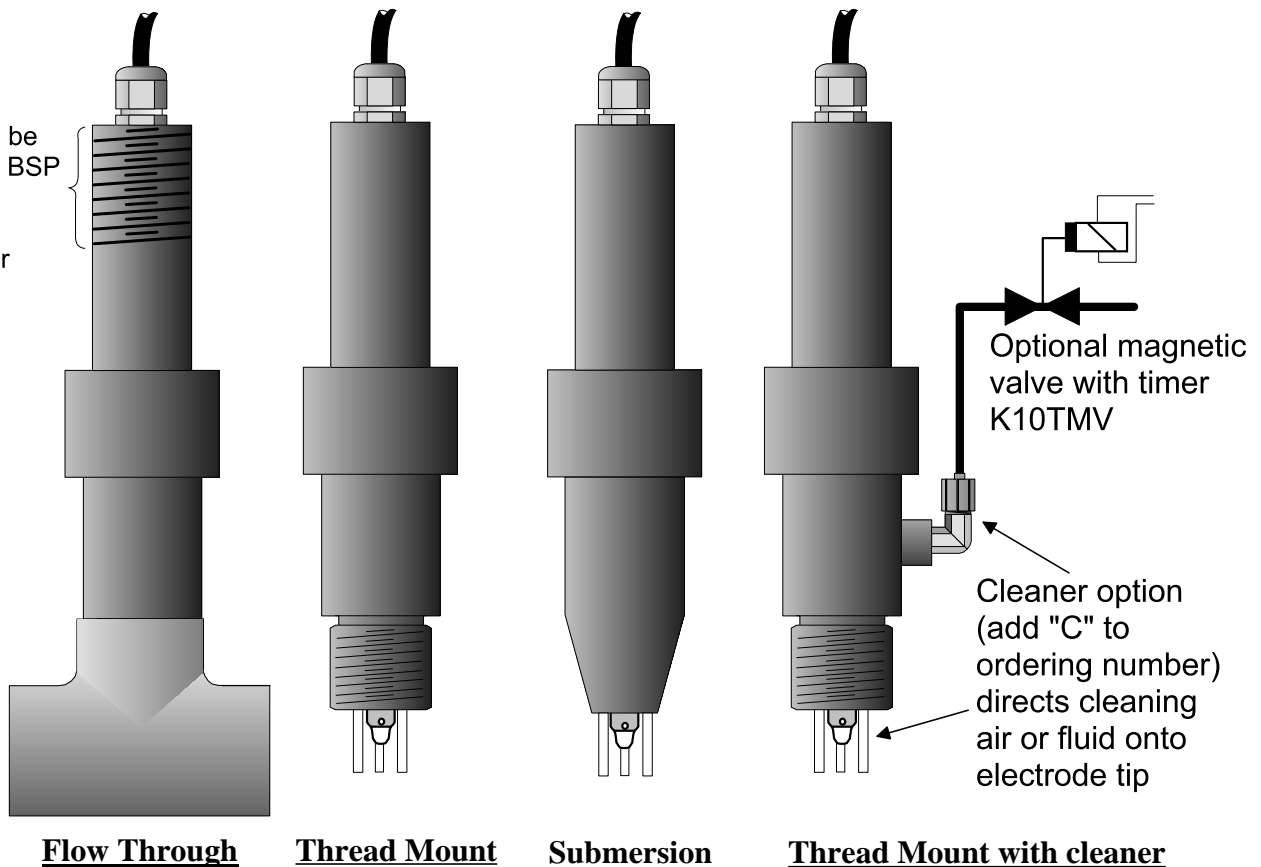


OxyGuard pH and redox Probes

Trouble-free probes for wet environments

NB. Probes can be supplied with 1" BSP threaded top. Add "TT" to ordering number



For trouble-free use where other probe types give up!

- * **Waterproof** - can be completely submersed - no moisture problems!
- * **Impedance converter in probe** - no electrical disturbance problems!
- * **Connect probe with ordinary cable!**
- * **Three basic designs** - free mount, flow-through or screw-in mounting.
- * **Automatic electrode cleaner option available.**
- * **Wide range of fittings** as well as custom design probes available.

With light duty pH electrode for:

Drinking water, Aquaculture systems, Rivers, streams, lakes, ponds, the sea etc.

With heavy duty pH electrode for:

Waste Water, Industrial use, Agricultural use.

With redox/ORP electrode for redox measurements.

A true "No-Nonsense Measurement" probe!

Technical Information

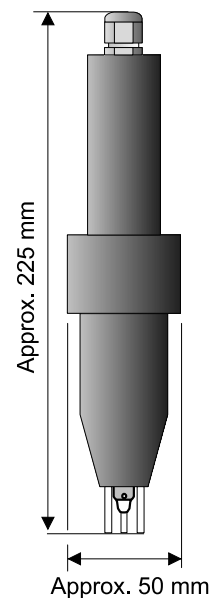
Description

These OxyGuard probes consist of an electrode and an impedance converter inside a two-part housing held together by a threaded collar. There is extra sealing so that the connections at the top of the electrode remain dry even when the probe is completely submersed. The impedance converter immediately over the electrode eliminates electrical noise problems and permits the use of ordinary cable to connect the probe. Either light duty or heavy duty OxyGuard pH or redox electrodes with flange fittings can be used.

As standard probes are manufactured from PVC (for temperatures up to 60°C), but on request they can be supplied in other materials, e.g. PP for up to 10 bar at 25 °C, 4 bar at 90 °C, or PVDF for up to 6 bar up to 100°C, 2 bar at 120°C.

There are three basic designs, one for free mounting, one with a 3/4" tee for flow-through use, the third designed to be screwed into a pipe, flange or other suitable fixture. The probes can be ordered with a 1" thread at the top of the top part for mounting purposes. OxyGuard also manufacture probes to customer specification, so please ask if you cannot use a standard design. As standard the probes have 7m cables.

For Heavy Duty use in very dirty environments probes can be supplied with a probe cleaning system. This has, for example, proved effective when measuring agricultural slurry - add "C" to ordering number. Several types of mounting device are also available. These are described in separate brochures.



Specifications

Operating Conditions:	PVC probe: 10 bar at 25°C, 2 bar at 60 °C .
Size:	Max. diameter 50 mm. Height approx.225 mm (to top of cable gland).
Thread Mount Type:	1" BSP thread.
Threaded Top Type:	With 1" BSP thread on top part of probe.
Light Duty pH electrodes:	pH 0 - 14; T: 0 - 60°C; Pmax 6 bar (at 25°C). For aquaculture, drinking water, rivers etc.
Heavy Duty pH electrodes:	pH 0 - 14; T: 0-130°C; Pmax 6 bar (at 25°C). For waste water, agricultural and industrial use.

Ordering Information - PVC Probes

Probe type:	Flow-Through	Submersion	Thread Mount
Light Duty pH	K01FVPLD	K01SVPLD	K01TVPLD
Heavy Duty pH	K01FVPHD	K01SVPHD	K01TVPHD
Light Duty redox	K01FVRLD	K01SVRLD	K01TVRLD
Heavy Duty redox	K01FVRHD	K01SVRHD	K01TVRHD

NB. Add "C" to number for cleaner option. Order timer valve K10TMV separately.
Add "TT" to order number for threaded top.

Electrodes (flange mount):

K10PELHDF: Heavy-duty polymer pH electrode.
K10PELLDF: Light-duty pH electrode.

K10RELHDF: Heavy-duty redox electrode.
K10RELLDF: Light-duty redox electrode.

pH Buffer & redox check solution

K10E4500: 500 ml pH 4 calibration buffer.
K10E41L: 1000 ml pH 4 calibration buffer.
K10E7500: 500 ml pH 7 calibration buffer.
K10E71L: 1000 ml pH 7 calibration buffer.
K10RCH250: 250 ml redox check solution.
K10RCH500: 500 ml redox check solution.

Data subject to change without notice K01 pH and redox probe brochure gb 0312