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Eutech Open Pore pH Electrode delivers fast, accurate readings

The Open Pore pH Electrode makes use of a single pore capillary reference junction that is about 200 times larger than a typical ceramic junction. This unique construction protects the electrode from clogging even in difficult samples.

Eutech Instruments, a leading manufacturer of water analysis instruments has just launched a new series of Open Pore Electrodes. The single pore capillary reference junction construction of the Open Pore Electrode is about 200 times larger than a typical ceramic junction. When used in combination with specially formulated electrolyte such as a fluid gel electrolyte, the flow rate is faster and leads to better contact between the reference electrode and sample. This means shorter response time and more accurate measurements.

It has also been verified by the PRB (Physikalisch-Technische-Bundesanstalt = Physical Technical Federal Institute) in Braunschweig, Germany, that the single pore capillary reference pH electrode is the most accurate laboratory electrode.¹

There are 4 different models of Open Pore Electrodes available. They are EC-620-130, EC-620-131, EC-620-132 and EC-620-133. Their double-junction construction makes them less vulnerable to contamination. With the exception of EC-620-132 which is a plastic electrode, the other 3 models have glass body for better resistance to corrosive materials and solvents. However the plastic body electrode is a durable electrode suitable for rugged, general purpose use.

The EC-620-133 electrode has a spear tip that makes it suitable for measurement in solid and semi-solid food samples. The polymer gel electrolyte of the 131, 132 and 133 models is pressure resistant and requires virtually no maintenance. It also withstands a wider range of 0 to 14 pH, has good temperature tolerance and has wider applications in ion weak samples. On the other hand the Ag/AgCl electrolyte of the 130 is largely hysteresis-free and tolerant of high temperatures with low temperature coefficients.

About Eutech Instruments

Eutech Instruments is a leading ISO 9001 certified water analysis instruments manufacturer that markets its comprehensive product ranges world-wide through an extensive distributor network. For more information, please contact our distributors or visit our corporate website at www.eutechinst.com

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¹ Further information can be found in "Traceability of pH measurement" by Petra Spitzer; ISBN 3-89429-877-4 or ISSN 0947-7063