

Flow Cell ISEs



ISE Flowcells from EDT directION are solid state, zero dead volume sensors that can be used independently or positioned in series to create a multi-element sensor system. A reference flowcell is required for each set of flow cells. The ideal flow rate is around 1-10ml per minute using a peristaltic pump. Fluoride flow-cells have an ID of 1.2mm and all the others have an ID of 2.3mm.

These sensors are ideal for Flow Injection Analysis (FIA) or for situations where continuous monitoring is required. Measurements can be made in zero flow as required in stop/flow or static measurements.

Each flow cell requires a reference flow-cell. The cells are connected in series in a cell holder for 2 or 3 flowcells (cat no 4444) and attached to the EDT QP459 Ion meter using the leads provided. The flow cell is then ready to be connected to a peristaltic pump or flowing sample using flexible tubing with a 3mm id (approx.). The assembled sensor block is a compact 20x50mm. Cells can be interchanged at will without disconnecting the tubing.

The Flowcell sensors are in the form of a small solid state Acrylic block with a bore diameter of 2.3 mm except Fluoride (1.2mm). A flow through reference is required for operation (cat no 4001). These small ISEs have exactly the same specifications as the standard ISE but has further advantages such as: Zero Dead Volume, Large sample contact area, Low sample volume (min 50 microlitres), easy cleaning.

The EDT Flowcells have an unlimited shelf life whilst not in use.

Supplied with O rings, 1 metre cable with BNC connector. Requires reference Flowcell, suitable Ion meter and low volume pump for operation.

Flow Cell Components

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| 4021 | Nitrate ISE Flow Cell | 2.3mm Bore |
| 4051 | Ammonium ISE Flow Cell | 2.3mm Bore |
| 4041 | Calcium ISE Flow Cell | 2.3mm Bore |
| 4221 | Fluoride ISE Flow Cell | 1.2mm Bore |
| 4001 | Reference Flow Cell (Ag/AgCl) | 2.3mm Bore |
| 4002 | Reference Flow Cell (Ag/AgCl) | 1.2mm Bore |
| 4222 | 1 Meter Flow Cell Cable | BNC Connector |
| 4444 | Aluminium Flow Cell Holder | Holds 3 Flow Cells |
| QP459 | Portable Ion Meter | Direct Concentration Reading |

Related Products



QP459 Portable Ion Meter



Low Volume Conductivity Flow Cell



Flowcell Holder for 3 ISEs

www.edt.co.uk/product-category/ion-selective-electrodes/flow-cell-ion-selective-electrodes

