

## Nitrate, Ammonium, Chloride and Fluoride

Thanks to the constant technological improvement applied ion selective sensors (ISE) manufacturing, it has been developed this series of process analyzers. These analyzers guarantee a great performance through time, with a limited cost.

The analyzer consists of two separate components:

- a chemistry module where the sample is conditioned.
- the measuring microprocessor based controller, IC 7685.010

The chemistry module is provided with a holder for the specific ISE and a couple of peristaltic pumps.

The system provides a continuous mixing of the sample with the ISA solutions necessary for the sensors, and an automatic calibration of the analyzer.

The controller IC 7685.010 allows to program the automatic calibration cycles. This eliminated most manual operations, along with providing a long and reliable monitoring within the required range.

### Applications

**Nitrate:** drinking water and supply, municipality, sludge water treatment plants, de-nitrification plants, fertilizers, green houses.

**Ammonium:** sludge water treatment plants, de-nitrification plants, fertilizers, waste water.

**Chloride:** chemical waste water treatment plants, RO desalinization plants, paper industry, chemistry industry, waste water.

**Fluoride:** water supply plants, glass industry, chemistry industry.



### Chemistry Module – Technical Characteristics

- Supplied with ISE sensor, combined, refillable, glass body.
- Interconnection cable, standard length 1.5 m.
- Supplied with small accessories and 6 months disposables
- Response time: 90% in 5 minutes
- Peristaltic pump sample, flow 5 cc/minute
- Peristaltic pump ISA reagent, flow 0.06 cc/minute
- Operating temperature: 0/50 °C
- Sample inlet: 1/4" I.D. hose barb
- Sample drain: 1/4" I.D. hose barb
- Recommended sample flowrate: 30/100 l/hour
- Power supply: 220Vac, 50/60 Hz.

### IC7685.010



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