



# F-3000C On-line Fluoride Analyzer

The **F-3000C** is an on-line analyzer designed to measure Fluoride levels in drinking water and waste water applications in the range of 0-10ppm.

The measuring system is based on an ISE electrode including a special reference Electrode designed to keep a stable reading without the need for a frequent calibration.

The signal is translated to the Fluoride levels reading (ppm) by the controller.

The reading can be sent through the Isolated 4-20mA output and 3 SPST relays gives a dry contact signal as control and alarm options.

Simple one point calibration can be preformed in the field and takes no longer then 2 minutes.

The Analyzer comes in an IP-65 enclosure with a clear door and 2 lockers. The controller has the option for keyboard lock.



### Technical Specifications:

PARAMETER	RANGE/DESCRIPTION
<b>CONTROLLER</b>	
Units	0.1-10 ppm
Resolution	0.01, 0.1, scale dependable
Accuracy	Better then 5%
Power supply	110/220 +/- 10%, 50/60 HZ
Inputs	ISE electrode, Ref. Electrode, temp. sens.
Outputs	3-SPST, 5A, dry contact (Control and alarm)
Analog output	Isolated 4-20 mA
Display	LCD, 1X16
Enclosure	IP-65, 350x350x180mm
<b>ELECTRODES</b>	
ISE	Fluoride selective electrode, 12mm, epoxy
Reference	Epoxy body, 12 mm, D.j, special ceramic
Temp. range	0-40°C
<b>SAMPLE CELL</b>	
Body	Delarin
Temp. range	0-50°C
Flow	adjustable, 10-100 L/H
Inlet/Outlet	6mm/12mm
<b>PROCESS</b>	
Pressure	0.5-10 bar
Temp.	0-40°C