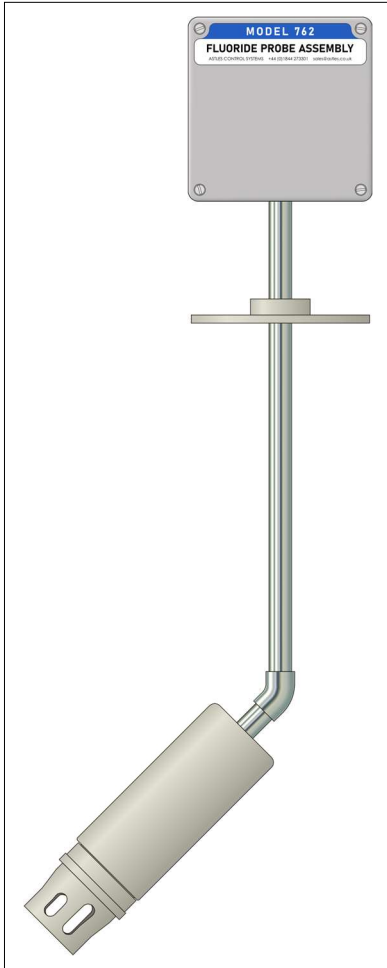




## SENSOLUTION™ pH800/762 Fluoride Probe Assembly

The pH800/762 fluoride probe assembly is a loop-powered, isolated fluoride sensor with all power being supplied from the two-wire current loop connection. Isolation enables the probe to be at a potential relative to ground without affecting the integrity of the measurement. The two-wire connection eliminates the requirement of a separate supply in addition to the loop supply voltage.



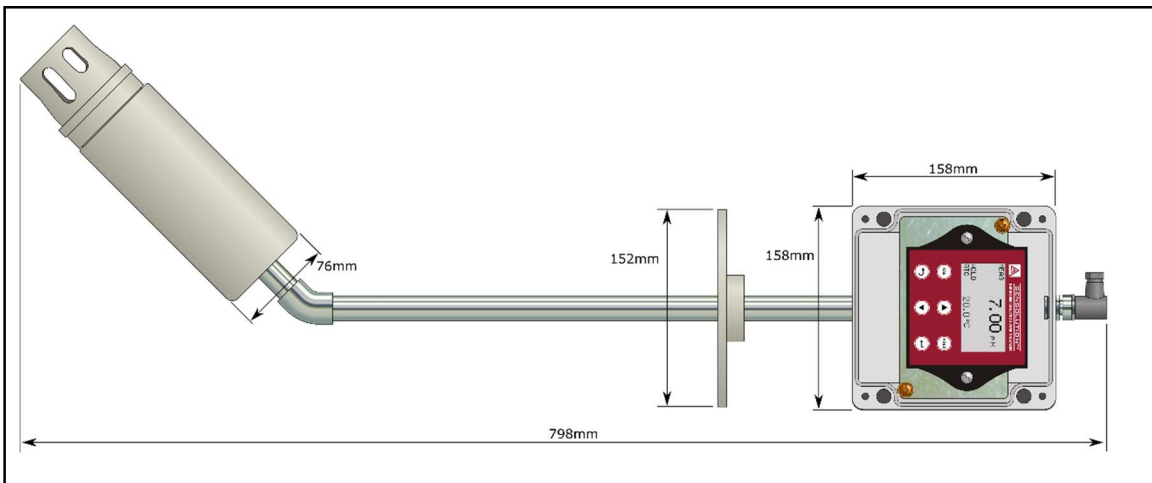
### Features

- Temperature-compensated measurement.
- Two-wire field mounted analyser – suitable for multiple-loop installations with a central controller.
- Isolated 4-20mA signal.
- Simple pushbutton operation.
- Tough IP65 die-cast Aluminium enclosure.
- Plug and socket connectors for easy installation and maintenance.
- Tool-free operation – no dip-switches or potentiometers.

With a Model 762 probe assembly and electrodes, the pH800 analyser becomes a complete fluoride/RmV sensing unit. The pH800 analysers include all the circuitry necessary for the measurement and transmission of an isolated 4-20mA signal, which is then linearised in. All the analyser's functions are accessible through the pushbutton interface – there are no potentiometers or dip-switches. Calibration of the signal is accomplished using a one-point offset to grab. The pH800 can also temperature compensate readings using a 100Ω TC element.

The Model 762 assembly is manufactured from chemically resistant polypropylene and has spaces for two PG13.5 electrodes – an industrial fluoride ISE electrode and glass temperature compensator. The reference is a double-junction arrangement with a large gel reservoir giving excellent stability in tough applications.

### Dimensions



902280-F - Sensolution pH800-762 Fluoride Probe Assembly Information Sheet

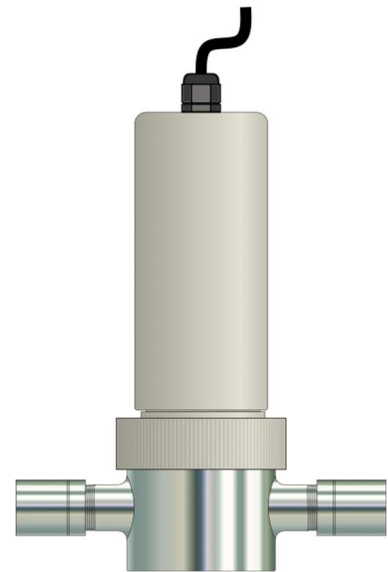


## Model 762 Probe Assembly

The most common usage of the 762 is with a wand, as shown on the previous page.

The 762 can also be used with a stainless steel flowcell, shown to the right, for areas and processes where it is not possible to insert the probe directly into the tank.

A cable of up to 5m in length can connect directly to a wall or pipe mounted analyser for real-time readings of fluoride.



## Specifications

ppm	Range	0.1ppm to 100ppm display is in mV scaled 296 to 59mV output scaled to 4 to 20mA
	Resolution	0.1mV (0.1ppm on PC500)
	Accuracy	0.1ppm
RmV	Range	0.0mV to -236.6mV
	Resolution	0.1mV
	Accuracy	±1mV
Operating Temperature		1°C to 60°C
Temperature Compensation		Auto (Pt100) / Manual (from 0°C to 100°C)
Number of Calibration Points		1 (offset to grab sample)
Inputs		Asymmetrical / Symmetrical
Outputs		4.0 mA to 20.0 mA
Out-of-Range Current Output	Under-Range	3.8 mA / 4 mA (selectable)
	Over-Range	3.8 mA / 20 mA (selectable)
Hold Current Output		22 mA / Last measured value (selectable)
Display		Custom Dual LCD
Power Requirements		12V to 24V dc
Load Resistance		600Ω Max

## Ordering Information

500/0060	Complete Fluoride probe assembly: pH800, 762 holder, electrodes and 40cm wand
500/0066	Wall-mount pH800 analyser, 3m Cable: 762 holder, electrodes and 55cm wand
500/9093	Stainless Steel Flow Cell for use with 500/9142
500/9142	Fluoride probe assembly: 762 holder and electrodes. 3m cable length allows connection to wall-mounted analyser

Country of Origin: UK

