

ELECTRODES FOR PH AND ORP MEASUREMENT

Controllers

Sensors

Analysers

Samplers

Flow

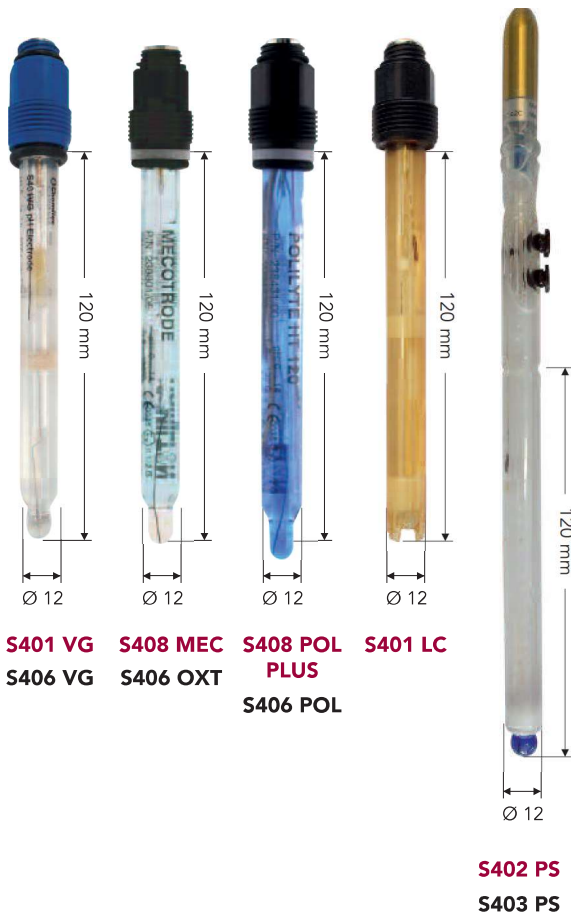
Level

Pressure

Web remote control

Data logging

Accessories



Digitizer for pH and ORP electrodes

The AD Series Chemitec digitizers convert the signals of the common pH and ORP electrodes into serial signal with standard Modbus RTU protocol, allowing the connection to the 50Series plug & play multiparametric instrument



General features

The electrodes listed below are all of the combined type (Measurement+Reference), without maintenance, and are classified by their construction features, which makes them adaptable to multiple applications.

Models and Applications

S401 VG

Combined pH electrode for general use

S406 VG

Combined ORP electrode for general use

S408 MEC

Combined pH electrode for high temperature liquids and/or installations under pressure

S408 POL PLUS

Combined pH electrode for harsh chemical applications

S406 POL

Combined ORP electrode for harsh chemical applications

S406 OXT

Combined ORP electrode for high temperature liquids and/or installations under pressure

S401 LC

Combined pH electrode for waters with low electrical conductivity



S402 PS

pH electrode for applications involving liquids with a high suspended solids content



S403 PS

ORP electrode for applications involving liquids with a high suspended solids content

Technical specifications Electrodes for pH measurement

Models	S401 VG	S408 MEC 	S408 POL PLUS 	S401 LC	S402 PS
Measuring range	0...14 pH	0...14 pH	0...14 pH	2...14 pH	0...14 pH
Operating temperature	0...80 °C	0...130 °C	0...130 °C	0...60 °C	0...50 °C
Maximum pressure	6 bar	16 bar	6 bar	16 bar	2 bar
Min. liquid conductivity	5 µS/cm	50 µS/cm	2 µS/cm	2 µS/cm	5 µS/cm
Body material	Glass	Glass	Glass	Epoxy	Glass
Electrolyte	GEL	GEL	Polisolve	GEL	KCl - KNO3
Junction	single open hole	3 ceramic diaphragm	double open hole	single open hole	single pore increased
Cable connection	"S7" screw	"S7" screw	"S7" screw	"S7" screw	fixed
Connection to process	Pg 13.5	Pg 13.5	Pg 13.5	Pg 13.5	standard Ø 12
Cable	5 mt	5 mt	5 mt	5 mt	integral 5 mt

Technical specifications Electrodes for ORP measurement

Models	S406 VG	S406 POL 	S406 OXT 	S403 PS
Measuring range	±2000 mV	±2000 mV	±2000 mV	±2000 mV
Operating temperature	0...80 °C	-10...60 °C	0...130 °C	0...50 °C
Maximum pressure	6 bar	6 bar	16 bar	2 bar
Min. liquid conductivity	5 µS/cm	2 µS/cm	50 µS/cm	5 µS/cm
Body material	Glass	Glass	Glass	Glass
Electrolyte	GEL	Polysolve	GEL	KCl - KNO3
Junction	single open hole	single open hole	3 ceramic diaphragm	single pore increased
Cable connection	"S7" screw	"S7" screw	"S7" screw	fixed
Connection to process	Pg 13.5	Pg 13.5	Pg 13.5	standard Ø 12
Cable	5 mt	5 mt	5 mt	integral 5 mt