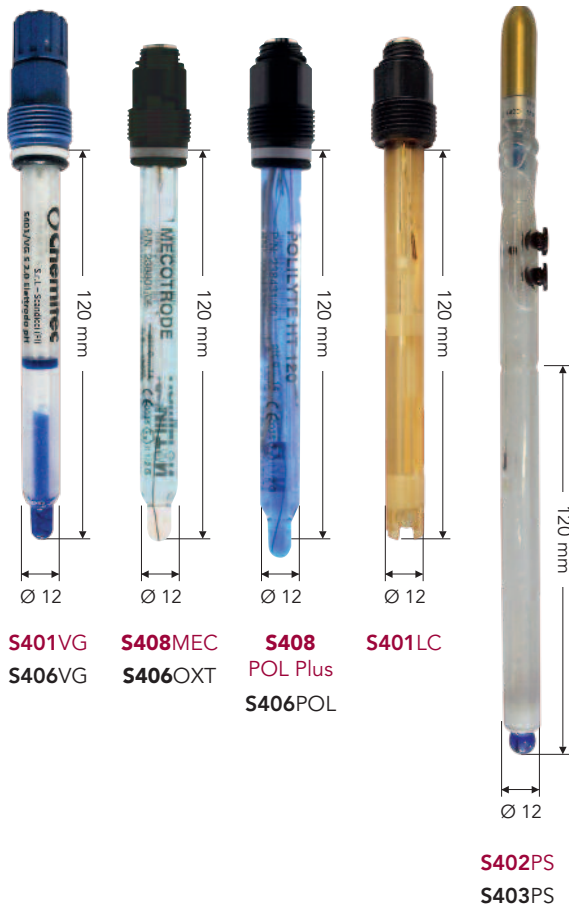


ELECTRODES FOR PH AND ORP MEASUREMENT



S401VG
S406VG

S408MEC
S406OXT

S408POL Plus
S406POL

S401LC

S402PS
S403PS



AD Series

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

S401VG

Combined pH electrode for general use

S406VG

Combined ORP electrode for general use

S408MEC

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

S408POL Plus

Combined pH electrode for harsh chemical applications

S406POL

Combined ORP electrode for harsh chemical applications

S406OXT

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

S401LC

Combined pH electrode for waters with low electrical conductivity

S402PS



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

S403PS

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



Technical specifications Electrodes for pH measurement

Models	S401VG	S408MEC 	S408POL HT 	S401LC	S402PS
Measuring range	0 ÷ 14 pH	0 ÷ 14 pH	0 ÷ 14 pH	2 ÷ 14 pH	0 ÷ 14 pH
Operating temperature	0 ÷ 60°C	0 ÷ 130°C	0 ÷ 130°C	0 ÷ 60°C	0 ÷ 80°C
Maximum pressure	6 bar	16 bar	6 bar	16 bar	0.2 bar
Min. liquid conductivity	50 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 annular ceramic
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	S406VG	S406POL 	S406OXT 	S403PS
Measuring range	±1000 mV	±2000 mV	±2000 mV	±1000 mV
Operating temperature	0 ÷ 60°C	-10 ÷ 60°C	0 ÷ 130°C	0 ÷ 80°C
Maximum pressure	6 bar	6 bar	16 bar	0.2 bar
Min. liquid conductivity	50 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 annular ceramic
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