

# pH & ORP ELECTRODES

S401 VG • S408 MEC • S408 POL PLUS • S401 LC • S401VG HTAJ



S401- S406VG



S401LC



S401 - S406 VG HTAJ



S408 MEC



S408 POL PLUS



## 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

### S401 VG HTAJ

Combined pH electrode for heavy applications and high temperatures

### S408 MEC

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

### S408 POL Plus

Combined pH electrode for harsh chemical applications

### S401 LC

Combined pH electrode for waters with low electrical conductivity

### S406 VG

Combined ORP electrode for general use

### S406 POL

Combined ORP electrode for harsh chemical applications

### S406 OXT

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



### S406VG HTAJ

ORP (Redox) electrode for applications in liquids with a high content of suspended solids



## AD SERIES DIGITIZER

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

## TECHNICAL SPECIFICATION ELECTRODES FOR pH MEASUREMENT

Models	S401 VG	S408 MEC 	S408 POL PLUS 	S401 LC	S401 VG HTAJ
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...135°C
Maximum pressure	6 bar	16 bar	6 bar	16 bar	10 bar
Min. liquid conductivity	5 µS/cm	50 µS/cm	2 µS/cm	2 µS/cm	50 µS/cm
Body material	Glass	Glass	Glass	Glass	Glass
Electrolyte	GEL	GEL	Polisolve	GEL	GEL
Junction	single open hole	3 ceramic diaphragm	double open hole	single open hole	single pore increased
Cable connection	S8	S8	S8	S8	S8
Connection to process	Pg 13.5	Pg 13.5	Pg 13.5	Pg 13.5	Pg 13.5
Cable	5 mt	5 mt	5 mt	5 mt	5 mt

## TECHNICAL SPECIFICATION ELECTRODES FOR ORP MEASUREMENT (REDOX)

Models	S406 VG	S406 POL 	S406 OXT 	S406VG HTAJ
Measuring range	±2000 mV	±2000 mV	±2000 mV	±2000 mV
Operating temperature	0...80°C	-10...60°C	0...130°C	-5...135°C
Maximum pressure	6 bar	6 bar	16 bar	10 bar
Min. liquid conductivity	5 µS/cm	2 µS/cm	50 µS/cm	50 µS/cm
Body material	Glass	Glass	Glass	Glass
Electrolyte	GEL	Polysolve	GEL	GEL
Junction	single open hole	single open hole	3 ceramic diaphragm	single pore increased
Cable connection	screw "S7"	screw "S7"	screw "S7"	S8
Connection to process	Pg 13.5	Pg 13.5	Pg 13.5	Pg 13.5
Cable	5 mt	5 mt	5 mt	5 mt