

Level controls

Probes and electrode holders for conductive liquids. Electrodes

Probes and electrode holders



11 SN1



31 SCM...



31 CGL125...



31 PS31



31 PS3S

Order code	Probe included	Probe length	Qty per pack	Weight
		[mm/in]	n°	[kg]

Single pole electrodes.

11 SN1	yes	1000/3.9"	10	0.050
--------	-----	-----------	----	-------

31 SCM 04	yes	43/1.7"	1	0.060
31 SCM 50	yes	500/19.7"	1	0.115
31 SCM 100	yes	1000/39.4"	1	0.162

31 CGL125 3	yes	327/12.9"	1	0.126
31 CGL125 5	yes	500/19.7"	1	0.158
31 CGL125 7	yes	700/27.6"	1	0.208
31 CGL125 10	yes	1000/39.4"	1	0.281

Three pole electrode.

31 PS31	yes	300/11.8"	1	0.120
---------	-----	-----------	---	-------

Electrode holder (for 3 rod probes).

31 PS3S	no	—	1	0.184
---------	----	---	---	-------

① Total electrode length.

General characteristics

SN1 SINGLE POLE PROBES

A single pole probe used for level control in wells or storage tanks. It comprises of an AISI 303 stainless steel electrode, a plastic (PPOX) holder and a cable gland. A seal ring and the tightening of the cable gland PG7 prevent water from entering the cable terminal connector and causing its oxidation.

Cable connection: screw.

The external cable diameter must be 2.5 to 6mm/Ø0.1 to 0.24" to warrant perfect sealing.

Maximum connection cable section: 2.5mm²

Maximum operating temperature: +60°C.

Application: Tanks and deep wells.

SCM... PROBES

A single pole probe used for level control on boilers, autoclaves and in general where pressure (10 bar maximum) and high temperature (+100°C maximum) are present. It comprises of an AISI 303 stainless steel electrode embedded in an aluminium oxide body and a 3/8" GAS threaded metal support holder.

Cable connection: Threaded rod with nut.

Application: Tanks, pressurised tanks and boilers.

CGL125... PROBES

A single pole probe with AISI 302 electrode, used for level control on boilers and autoclaves and in general wherever pressure is up to 10 bar maximum.

Maximum operating temperature: +180°C.

Threaded coupling: 3/8" GAS.

Cable connection: Threaded rod with nut.

Application: Tanks, pressurised tanks and boilers.

PS31 PROBE

A small electrode holder, complete with three AISI 304 stainless steel probes.

Particularly suited to small containers whenever pressure is maximum up to 2 bar.

Maximum operating temperature: +70°C.

Threaded coupling: 1/2" GAS.

Faston termination; related lugs supplied.

Application: Tanks and automatic dispensers.

PS3S ELECTRODE HOLDER

A thermoset resin electrode holder to be used with three probes (rods probes to be ordered separately) and complete with terminal cover.

Maximum operating temperature: +100°C.

2" GAS threaded coupling.

Cable connection: screw.

Application: tanks.

Certification and compliance

Certification obtained: EAC.

Compliant with standards: IEC/EN 60255-5.

Electrodes



31 ASTA...

Order code	Rod probe length	Qty per pack	Weight
	[mm/in]	n°	[kg]

For SCM probes.

31 ASTA 460 MM4	460/18.11"	1	0.053
31 ASTA 960 MM4	960/37.8"	1	0.103

For PS3S electrode holder.

31 ASTA 460 MM6	460/18.11"	1	0.100
31 ASTA 960 MM6	960/37.8"	1	0.210

General characteristics

Stainless steel AISI 304 electrodes with 4M or 6M threaded extremity suitable as extensions for SCM probe or as rod probe for PS3S electrode holder.

For connecting SCM probes with electrode extension unit (ASTA...MM4), see page 19-9.

Certification

Certification obtained: EAC.