



Conductivity measuring cells



S411
S411 C



S411 TEF
S411 TEF C



S411 U
S411 P



AD Series digitizer for conversion of conductivity measurement into serial signal with standard Modbus RTU protocol.



S411 D12

General features

Wide range of conductive cells designed for both water treatment and industrial applications. Thanks to the combination of cell constant (k) and construction material, it is possible to cover a wide range of applications with different measuring ranges.

Applications

Raw water, drinking water, ultra pure water, demineralization, reverse osmosis, ion exchanger, water from air conditioning and boiler systems, process water.

Technical specifications

Models		S411	S411 C	S411 TEF	S411 TEF C
Constant	K	1	1	1	1
Measurement range		0...50.000 µS	0...50.000 µS	0...10.000 µS	0...10.000 µS
Temp compensation		-	yes	-	yes
Working temperature		5...100°C	5...100°C	0...100°C	0...100°C
Max pressure		5 bar	5 bar	2 bar	4 bar
Body material		PP	PP	PTFE	PTFE
Electrode material		Graphite	Graphite	SS316	SS316
Connector		Supportive cable			
Process connection		½" GAS	½" GAS	1" GAS	1" GAS
Cable standard		5 mt	5 mt	5 mt	5 mt

Technical specifications

Models		S411 U		S411 P		S411 D12
Constant	K	1	10	10	100	1
Measurement range		0...50.000 µS	10...200 mS	0...1000 µS	0.04...20 µS	0...100 mS
Temp compensation		Yes	Yes	Yes	Yes	Yes
Working temperature		0...120°C	0...120°C	0...130°C	0...130°C	0...60°C
Max pressure		6 bar	6 bar	16 bar	16 bar	2 bar
Body material		PES	PES	SS316	SS316	Polycarbonate
Electrode material		Graphite	Graphite	SS316	SS316	Platinum on ceramic base
Cable connection		With connector				
Process connection		½" GAS ^(*)	½" GAS ^(*)	½" NPT ^(*)	½" NPT ^(*)	pg 13.5
Cable		5 mt (other on request)				
Applications		Mid-range industrial	High-range industrial	Low-range industrial	Very low-range industrial	Industrial for wide ranges

(*) On request clamp connections, food flanges, DIN