

General

The WQ410 conductivity sensor is rugged and compact instrument suited for measuring conductivity in surface and underground waters.

The sensor consist of two stainless steel electrodes: the outside electrode is a ring the inside electrode is a wire.

The conductivity sensor measures the ability of a solution to conduct an electric current between the two electrodes.

The conductivity sensor is automatically temperature compensated using an internal thermistor.

The WQ410 conductivity sensor is produced in a 25 mm stainless steel housing, which can be inserted in small size wells.

Since the output of the instrument is electrical, the signal can be read with a manual read out unit like the DATAVIEW, automatically, with a data logger such as the MINILOG, MYLOG, NATUN system or any other data logger provided by SIM STRUMENTI. Every sensor is provided with a calibration certificate that attests the results of the test performed and all electromechanical features.

Applications

Conductivity measurement in wells, tanks, etc.

Fully encapsulated electronics

4-20 mA Output

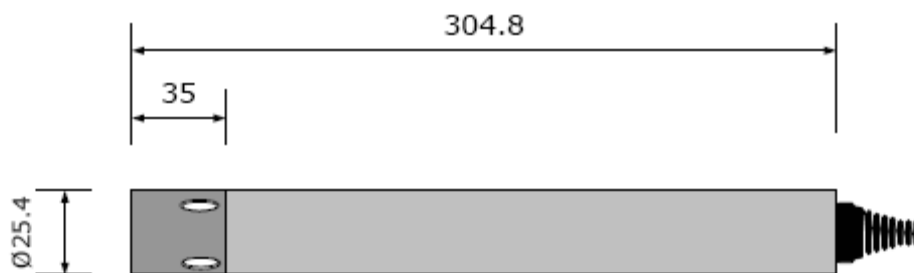
Stainless steel housing

Temperature sensor (optional)



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Technical features

Model	WQ410					
	-01	-02	-03	-04	-05	-06
Range (µS)	500	2000	5000	10000	20000	40000
Supply	12 Vcc (±5%)					
Output	4-20 mA					
Linearity	2% FS					
Consumption	0.8 mA + sensor output					
Max Pressure	3 bar					
Operating temperature	-40 ÷ + 55 °C					
Temp. compensation	2% per °C					
Warm up	3 sec					
Dimensions	25 x 300 mm					
Weight	0.450 Kg					
Material	INOX/PVC					
Temperature Sensor	Add to the conductivity sensor the cod					
	-CT			-PT		
Output	µA/K			PT100 100Ω a 0 °C		
Range	-50, 105°C			-100÷104°C		
Precision	0.3°			0.1°		

WQ410_EN ED01/14



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