



General

The WQ420 PH sensor is rugged and compact instrument suited for measuring PH in surface and underground waters.

The sensor is produced with a replaceable sensible element, for an easy maintenance and to allow a long longevity to the sensor.

The WQ420 PH sensor consists of a Hydrogen ion-sensitive glass bulb, and a reference electrode. The mA output signal is directly proportional to the measured liquid PH.

The WQ420 PH sensor is produced in a 32 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

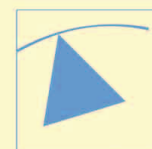
PH measurement in wells, tanks, river etc.

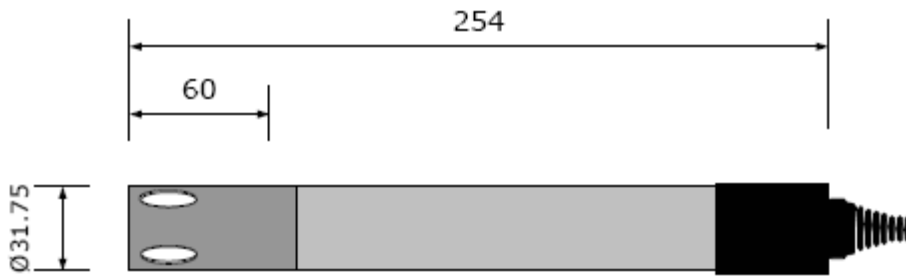
Replaceable PH element

Fully encapsulated electronics

Stainless steel housing

**Temperature sensor
(optional)**





Technical features

Model	WQ420	
Range	0-14 PH	
Supply	10-30 Vcc	
Output	4-20 mA	
Linearity	2% FS	
Consumption	5.5 mA + sensor output	
Max Pressure	3 bar	
Operating temperature	-40 ÷ + 55 °C	
Warm up	3 sec	
Dimensions	32 x 255 mm	
Weight	0.450 Kg	
Material	INOX/PVC	
Temperature Sensor	Add to the PH sensor the cod	
	-CT	-PT
Output	µA/K	PT100 100Ω at 0 °C
Range	-50, 105°C	-100÷104°C
Precision	0.3°	0.1°
Accessories & spare parts		
PH Electrode	WQ420 - AX - ELPH	

WQ420_EN ED01/14



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