



### General

The WQ430 DO sensor is rugged and compact instrument suited for measuring dissolved oxygen in surface and underground waters.

The sensor is produced with a replaceable sensible element, for a easy maintenance and to allow a long longevity to the sensor. The WQ430 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

DO measurement in wells, tanks, rivers etc.

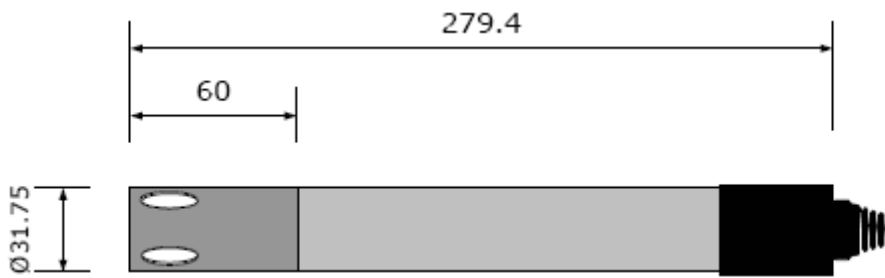
**Replaceable DO element**

**Fully encapsulated electronics**

**Stainless steel housing**

**Temperature sensor  
(optional)**





## Technical features

Model	<b>WQ430</b>	
Range	0-100% 0-8 ppm	
Supply	10-36 Vcc	
Output	4-20 mA	
Accuracy / Combined Error	0.5% FS / 2% FS	
Temperature compensated to	25°C	
Consumption	15.5 mA + sensor output	
Operating temperature	-40 ÷ + 55 °C	
Maximum Pressure	3 bar	
Warm up	10 sec	
Dimensions	32 x 280 mm	
Weight	0.450 Kg	
Material	Case	Stainless Steel / PVC
	Membrane	Teflon
<b>Temperature Sensor</b>	Add to the PH sensor the cod	
	<b>-CT</b>	<b>-PT</b>
Output	µA/K	PT100 100Ω at 0 °C
Range	-50, 105°C	-100÷104°C
Precision	0.3°	0.1°
<b>Accessories &amp; spare parts</b>		
DO Electrode	<b>WQ430 - AX - ELDO</b>	