

# PRODUCT BULLETIN

31 July 2019

Issue 19-7.2

## CL2 Sensor Now Available for Ventis® Pro5

Industrial Scientific is pleased to announce the availability of the 6-series chlorine (CL2) sensor for the Ventis® Pro5.

- **Chlorine (CL2)** – The chlorine sensor is ideal for water treatment and paper production, as well as applications where chlorine is used as part of a process. The sensor has a range of 0–50 ppm with a resolution of 0.1 ppm.

Part number and list price for this sensor are as follows:

Part Number	Description	List Price				
		USD	EUR	GBP	AUD	CNY
17155306-7	Sensor, Ventis Pro, Chlorine (CL2)	\$452.00	€389.00	£352.00	\$617.00	¥6,165.28

Common instrument sensor configurations include:

Sensors	Pump	LENS® Wireless	Part Number
LEL (Pentane), CO/H2S, CL2, O2		✓	VP5-KJ7Y110xy1z
LEL (Pentane), CO/H2S, CL2, O2	✓	✓	VP5-KJ7Y211xy1z
LEL (Pentane), NH3, CL2, O2		✓	VP5-K673410xy1z
x = Instrument color: 0 = Black, 1 = Orange y = Agency certification: 1 = UL/CSA, 2 = ATEX/IECEX, 3 = MSHA, 9 = INMETRO z = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = IT, 6 = NL, 7 = PT, A = PL			

For additional information on the sensor above, or to build your Ventis Pro5 with the new sensor, access the Online Instrument Builder at <https://indsci.com/gas-detectors/ventis-pro/ventis-pro-product-configurator/> or contact your local ISC representative. Contact information can be found at <https://indsci.com/contact-us/>.

Sincerely,



Ryan Thompson  
Associate Product Manager

## Sensor specifications

Chlorine (Cl <sub>2</sub> )	
17155306-7 <sup>f</sup>	
<b>Properties</b>	
Category	Toxic
Technology	Electrochemical
DualSense® capable	No
<b>Installation location</b>	
Ventis Pro4	None
Ventis Pro5	3 or 4
<b>Operating conditions</b>	
Temperature range <sup>a</sup>	-20 to +50 °C (-4 to +122 °F)
RH range <sup>a</sup>	15–90%
<b>Performance</b>	
<i>Sensitivity</i>	
Measurement range	0–50 ppm
Measurement resolution	0.1 ppm
<i>Accuracy<sup>b</sup></i>	
Calibration gas and concentration	10 ppm Cl <sub>2</sub>
Accuracy at time and temperature of calibration	± 10% of reading or 0.3 ppm, whichever is greater (0–10.0 ppm) ± 20% (10.1–50.0 ppm)
Accuracy over sensor's full temperature range	± 15%
<i>Response Time</i>	
T50	6 s
T90	35 s

<sup>a</sup>During continuous operation.

<sup>b</sup>Apply when the instrument is calibrated using the stated calibration gas and concentration; unless otherwise stated, accuracy is equal to the stated percentage or one unit of resolution, whichever is greater.

<sup>f</sup>WARNING: Do not use the Ventis Slide-on Pump (VSP) when sampling for these target gases: Chlorine (Cl<sub>2</sub>), Chlorine Dioxide (ClO<sub>2</sub>), Hydrogen Chloride (HCL), and volatile organic compounds (VOC), or when a sensor for any of these gases is installed and the target gas is unknown; use only the Ventis Pro Pump Module. The use of the VSP with these gases will result in inaccurate gas readings due to their susceptibility to absorption.

“—” indicates no available data.