

# PRODUCT BULLETIN

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## 6-Series O2 and Cl2 Sensors Now Available for Ventis® Pro5

Industrial Scientific is pleased to announce the availability of 6-series oxygen (O2) and chlorine (Cl2) sensors for the Ventis® Pro5.

- **Oxygen (O2)** – A 6-series oxygen sensor is now available, allowing for a wider range of sensor configurations now that oxygen can be detected using either a 4-series or 6-series sensor slot. The 6-series sensor is lead-free and carries a 3-year warranty. Its range is 0–30% and the resolution is 0.1%.
- **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 numbers and list prices for these sensors are as follows:

Part Number	Description	List Price				
		USD	EUR	GBP	AUD	CNY
17155306-Y	Sensor, Ventis Pro, 6-series Oxygen (O2)	\$226.00	€194.00	£176.00	\$308.00	¥3,082.64
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), O2, CO/H2S, Cl2		✓	VP5-KY7J110xy1z
LEL (Pentane), O2, CO/H2S, Cl2	✓	✓	VP5-KY7J211xy1z
LEL (Pentane), NH3, Cl2, O2		✓	VP5-K673410xy1z
LEL (Pentane), CO/H2S, CO2 IR, 6-series O2	✓	✓	VP5-KJYQ211xy1z
<p><b>x = Instrument color: 0 = Black, 1 = Orange</b>  <b>y = Agency certification: 1 = UL/CSA, 2 = ATEX/IECEX, 3 = MSHA, 9 = INMETRO</b>  <b>z = Language: 1 = EN, 2 = FR, 3 = ES, 4 = DE, 5 = IT, 6 = NL, 7 = PT, A = PL</b></p>			

Please note that firmware version 3.5 or higher is required to use the 6-series O2 sensor with the Ventis Pro5. Version 3.1 or higher is required for using the chlorine sensor.

For additional information on the sensors above, or to build your Ventis Pro5 with the new sensors, 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

Oxygen, Long-life (O <sub>2</sub> ) 17155306-Y <sup>e</sup>	
<b>Properties</b>	
Category	Oxygen
Technology	Electrochemical
DualSense® capable	No
<b>Installation location</b>	
Ventis Pro4	3 or 4
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	0–30% vol
Measurement resolution	0.1% vol
<i>Accuracy<sup>b</sup></i>	
Calibration gas and concentration	20.9% vol O <sub>2</sub>
Accuracy at time and temperature of calibration	± 0.8% vol (0.0–5.0% vol) ± 0.5% vol (5.1–30.0% vol)
Accuracy over sensor's full temperature range	±0.8% vol
<i>Response Time</i>	
T50	10 s
T90	15 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>c</sup>The sensor part number 17155304-K is CSA-assessed for %LEL combustible gas detection. The following sensors are *not* CSA-assessed for combustible gas detection: part numbers 17155304-M, 17155304-U, and 17155304-V.

<sup>e</sup>Not approved for use in MSHA-certified instruments.

“—” indicates no available data.

## 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.