

# PRODUCT BULLETIN

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## HC IR Sensor Now Available for Ventis® Pro5

Industrial Scientific is pleased to announce the availability of a hydrocarbon infrared (HC IR) sensor for the Ventis® Pro5 Multi-Gas Monitor.

- Hydrocarbon IR (HC IR)** – The hydrocarbon IR sensor is ideal for use in inerting because unlike a catalytic bead sensor, it does not require oxygen to detect combustible gases. The sensor has a range of 0-100% LEL and a resolution of 1%.

The part number and list price for this sensor are as follows:

Part Number	Description	List Price				
		USD	EUR	GBP	AUD	CNY
17155304-P	Sensor, Ventis Pro, Hydrocarbon IR	\$680.00	€585.00	£529.00	\$928.00	¥9,275.00

Common instrument sensor configurations include:

Sensors	Pump	LENS Wireless	Part Number
HC IR, O2, CO, H2S		✓	VP5-P123010xy1z
HC IR, O2, CO, H2S	✓	✓	VP5-P123011xy1z
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			

Please note that firmware version 3.1 or higher is required to operate the HC IR sensor on the Ventis Pro5.

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

Sincerely,



Ryan Thompson  
Associate Product Manager

## Sensor specifications

Hydrocarbon, IR (Propane)	
17155304-P <sup>c</sup>	
<b>Properties</b>	
Category	Combustible
Technology	Infrared
DualSense® capable	No
<b>Installation location</b>	
Ventis Pro4	2
Ventis Pro5	2
<b>Operating conditions</b>	
Temperature range <sup>a</sup>	-20 to +50 °C (-4 to +122 °F)
RH range <sup>a</sup>	0–95%
<b>Performance</b>	
<i>Sensitivity</i>	
Measurement range	0–100% LEL
Measurement resolution	1% LEL
<i>Accuracy<sup>b</sup></i>	
Calibration gas and concentration	25% LEL Propane
Accuracy at time and temperature of calibration	± 5% (0–25% LEL)
	± 10% (26–50% LEL)
	± 17% (51–100% LEL)
Accuracy over sensor's full temperature range	± 17%
<i>Response Time</i>	
T50	20 s
T90	45 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-P, 17155304-U, and 17155304-V.

“—” indicates no available data.