

WirelessHART® Toxic & Combustible Gas Detector Annex 1

"UE Sensor P/N"	"UE Replacement P/N"	Sensor Type	Gas Type	Gas Formula	Gas Range	Sensing Element P/N	Sensing Element Rev	Approvals	Temperature Range
6361-801	62169-45	NDIR	Methane	CH4	0-100% LEL	62149-186	B	Ref. I&M	-20°C to 50°C
6361-813	62169-54	NDIR	Methane	CH4	0-100% LEL	62149-186	C	Ref. I&M	-40°C to 65°C
6361-802	62169-46	Electrochemical	Hydrogen Sulfide	H2S	0-100 PPM	62149-185	A	Ref. I&M	-20°C to 50°C
6361-814	62169-53	Electrochemical	Hydrogen Sulfide	H2S	0-100 PPM	62149-232	A	Ref. I&M	-40°C to 65°C
6361-816	62169-55	Electrochemical	Carbon Monoxide	CO	0-500 PPM	62149-216	A	Ref. I&M	-40°C to 55°C

Sensor Cross Sensitivity:

Typical Cross Sensitivity of Hydrogen Sulfide (H₂S)

Gas	ppm Tested	Signal (as ppm H ₂ S)
Carbon Monoxide	400	1.3
Hydrogen Sulfide	25	25.0
Ozone	5	-0.6
Nitrogen Dioxide	10	0.2
Sulfur Dioxide	20	3.5
Ethanol	200	-0.3
NO	50	15.9
Chlorine	10	-0.5
n-Heptane	500	-0.1
Ammonia	100	0.0
Methane	500	0.1

Typical Cross Sensitivity of Carbon Monoxide (CO)

Gas	ppm Tested	Signal (as ppm CO)
Acetylene (C2H2)	100	88
Ethylene (C2H4)	100	97
Hydrogen (H2)	100	<28
Nitric Oxide (NO)	48.6	14
Nitrogen Dioxide (NO2)	19.5	<0.5
Chlorine (Cl2)	13.7	<0.5
Ethanol (C2H5OH)	200	0
Hydrogen Sulfide (H2S)	50	0
Sulfur Dioxide (SO2)	20	0
Ammonia (NH3)	20	0

Typical Cross Sensitivity of Methane (CH₄)

