

Fixed Systems Sensors & Transmitters

Direct Connect Sensors no J-box

ORDERING INFORMATION: Direct connect sensors can be with or without a junction box and can be connected directly to the Beacon 110, Beacon 200, and Beacon 410A. LEL and Oxygen versions can also be connected to the Pioneer.



Explosion Proof Sensors, No J-Box, Class I, Division 1 Approved

Part#	Description	Suggested Retail
61-0140RK	Sensor, LEL combustible (catalytic), direct connection (no transmitter, no j-box), UL version	295.00
61-0140RK-05	Sensor, LEL combustible (catalytic), direct connection (no transmitter, no j-box), cCSAus version	335.00
NC-6205-01	Sensor, LEL Hydrogen (H2) specific, 1/2 NPT, with guard and silicone resistance, UL version, (no transmitter, no j-box)	420.00
NC-6205-05	Sensor, LEL Hydrogen (H2) specific, explosion proof direct connection, with silicone resistance, cCSAus version, (no transmitter, no j-box)	470.00
61-0190RK-CH4	Sensor, Methane (CH4) 0 - 100% LEL, IR, explosion proof direct connection, 3/4" NPT nipple (no transmitter, no j-box), cULus version	775.00
61-0192RK-CH4	Sensor, Methane (CH4) 0 - 100% volume, IR, explosion proof direct connection, 3/4" NPT nipple (no transmitter, no j-box), cULus version	775.00
61-0190RK-HC	Sensor, Hydrocarbon (HC) 0 - 100% LEL, IR, isobutane standard calibration, explosion proof direct connection, 3/4" NPT nipple (no transmitter, no j-box), cULus version	775.00
65-2514RK	Sensor, Oxygen (O2), capillary type, explosion proof, (no transmitter, no j-box), CSA version	400.00
65-2438	Sensor, Carbon Monoxide (CO), direct connection (no transmitter, no j-box), CSA version	460.00
65-2428	Sensor, Hydrogen Sulfide (H2S), direct connection (no transmitter, no j-box)	460.00
65-2425	Sensor, Hydrogen Cyanide (HCN), direct connection (no transmitter, no j-box)	840.00
61-0191RK-02	Sensor, Carbon Dioxide (CO2) 0 - 5,000 ppm, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
61-0191RK-03	Sensor, Carbon Dioxide (CO2) 0 - 5%, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
61-0191RK-05	Sensor, Carbon Dioxide (CO2) 0 - 50%, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
61-0191RK-10	Sensor, Carbon Dioxide (CO2) 0 - 100%, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00

Non-Explosion Proof Sensor, OK for Class I, Division 2, No J-box

Part#	Description	Suggested Retail
65-2494RK	Sensor, Oxygen (O2) 0 - 25%, non explosion proof direct connect, capillary type, no j-box	355.00
65-2510RK	Sensor, Oxygen (O2) 0 - 25%, non explosion proof direct connect, partial pressure type (no transmitter, no j-box)	285.00
61-0198RK-04	Sensor, IR Carbon Dioxide (CO2) 0-20%, non explosion proof direct connect, replaceable sensor	735.00
65-2495RK	Sensor, Hydrogen Sulfide (H2S) 0 - 100 ppm, non explosion proof direct connect, no j-box	355.00
65-2496RK	Sensor, Carbon Monoxide (CO) 0 - 300 ppm, non explosion proof direct connect, no j-box	355.00
61-0198RK-02	Sensor, IR Carbon Dioxide (CO2) 0-5,000 ppm, non explosion proof direct connect, replaceable sensor ...	735.00
61-0198RK-03	Sensor, IR Carbon Dioxide (CO2) 0-5%, non explosion proof direct connect, replaceable sensor	735.00
61-0198RK-05	Sensor, IR Carbon Dioxide (CO2) 0-50%, non explosion proof direct connect, replaceable sensor	735.00
61-0198RK-10	Sensor, IR Carbon Dioxide (CO2) 0-100%, non explosion proof direct connect, replaceable sensor	735.00

Fixed Systems Sensors & Transmitters

Direct Connect Toxic Sensors no J-box

Non Explosion Proof Sensors, OK for Class I, Division 2, no J-box - CT-7 Series

Part#	Description	Suggested Retail
65-2302-NH3-75	Sensor, Ammonia (NH3), 0 - 75 ppm, CT-7 style, non explosion proof	765.00
65-2302-NH3-1	Sensor, Ammonia (NH3), 0 - 100 ppm, CT-7 style, non explosion proof	765.00
65-2302-NH3-2	Sensor, Ammonia (NH3), 0 - 200 ppm, CT-7 style, non explosion proof	765.00
65-2302-NH3-5	Sensor, Ammonia (NH3), 0 - 500 ppm, CT-7 style, non explosion proof	765.00
65-2302-CL2-3	Sensor, Chlorine (Cl2), 0 - 3 ppm, CT-7 style, non explosion proof	765.00
65-2302-CL2-5	Sensor, Chlorine (Cl2), 0 - 5 ppm, CT-7 style, non explosion proof	765.00
65-2302-CL2-10	Sensor, Chlorine (Cl2), 0 - 10 ppm, CT-7 style, non explosion proof	765.00
65-2302-CLO2-1	Sensor, Chlorine Dioxide (ClO2), 0 - 1 ppm, CT-7 style, non explosion proof	765.00
65-2302-CLO2-3	Sensor, Chlorine Dioxide (ClO2), 0 - 3 ppm, CT-7 style, non explosion proof	765.00
65-2302-CLO2-5	Sensor, Chlorine Dioxide (ClO2), 0 - 5 ppm, CT-7 style, non explosion proof	765.00
65-2302-HCL	Sensor, Hydrogen Chloride (HCL), 0 - 20 ppm, CT-7 style, non explosion proof	765.00
65-2302-HCN-15	Sensor, Hydrogen Cyanide (HCN), 0 - 15 ppm, CT-7 style, non explosion proof	765.00
65-2302-NO	Sensor, Nitric Oxide (NO), 0 - 100 ppm, CT-7 style, non explosion proof	765.00
65-2302-NO2	Sensor, Nitrogen Dioxide (NO2) sensor, 0 - 15 ppm, direct connection with conduit mounting, non explosion proof (no transmitter, no j-box)	765.00
65-2302-SO2-10	Sensor, Sulfur Dioxide (SO2), 0 - 10 ppm, CT-7 style, non explosion proof	765.00



Non Explosion Proof Sensors, OK for Class I, Division 2, no J-box - ESM-01 Series

Part#	Description	Suggested Retail
65-2300RK-NH3	Sensor, Ammonia (NH3) sensor, 0 - 75 ppm, direct connection with conduit mounting, non explosion proof (no transmitter, no j-box)	610.00
65-2300RK-ASH3	Sensor, Arsine (AsH3) sensor, 0 - 1.5 ppm, direct connection with conduit mounting, non explosion proof (no transmitter, no j-box)	610.00
65-2300RK-HCN	Sensor, Hydrogen Cyanide (HCN) sensor, 0 - 15 ppm, direct connection with conduit mounting non explosion proof (no transmitter, no j-box)	610.00
65-2300RK-PH3	Sensor, Phosphine (PH3) sensor, 0 - 1 ppm, direct connection with conduit mounting, non explosion proof (no transmitter, no j-box)	610.00
65-2300RK-SO2	Sensor, Sulfur Dioxide (SO2) sensor, 0 - 6 ppm, direct connection with conduit mounting, non explosion proof (no transmitter, no j-box)	610.00



Fixed Systems Sensors & Transmitters

Direct Connect Sensors with J-box

Explosion Proof: Class I, Division 1 Approved



Part#	Description	Suggested Retail
61-1000RK	Sensor, LEL combustible (catalytic) with explosion proof j-box (no transmitter), (specify calibration), UL version	415.00
61-1000RK-05	Sensor, LEL combustible (catalytic) with explosion proof j-box (no transmitter), (specify calibration), CSA version	465.00
61-1001RK	Sensor, LEL Hydrogen (H2) specific with explosion proof j-box (no transmitter), UL version	565.00
61-1001RK-03	Sensor, LEL Hydrogen (H2) specific with explosion proof j-box (no transmitter) and calibration adapter (only for use without rain guard)	625.00
61-1001RK-05	Sensor, LEL Hydrogen (H2) specific with explosion proof j-box (no transmitter), CSA version	600.00
61-1003RK-CH4	Sensor, IR, Methane (CH4) 0 - 100% LEL, explosion proof with j-box, UL version	890.00
61-1003RK-HC	Sensor, IR, Hydrocarbons (HC) 0 - 100% LEL, isobutane standard calibration, explosion proof with j-box, UL version	890.00
61-1006RK-CH4	Sensor, IR, Methane (CH4) 0 - 100% VOL, with j-box, UL version	890.00
65-2515RK	Sensor, Oxygen (O2), capillary type, explosion proof with conduit mounting and j-box (no transmitter), CSA version	525.00
65-2437RK-05	Sensor, Carbon Monoxide (CO) with j-box, CSA version	565.00
65-2427RK-05	Sensor, Hydrogen Sulfide (H2S) with j-box, CSA version	565.00
65-2429	Sensor, Hydrogen Cyanide (HCN) with j-box, Available Q4 2022	940.00
61-1004RK-02	Sensor, IR, Carbon Dioxide (CO2) 0 - 5,000 ppm, explosion proof with j-box, UL version	890.00
61-1004RK-03	Sensor, IR, Carbon Dioxide (CO2) 0 - 5%, explosion proof with j-box, UL version	890.00
61-1004RK-05	Sensor, IR, Carbon Dioxide (CO2) 0 - 50%, explosion proof with j-box, UL version	890.00
61-1004RK-10	Sensor, IR, Carbon Dioxide (CO2) 0 - 100%, explosion proof with j-box, UL version	890.00

Non Explosion Proof Sensors, OK for Class I, Division 2

Part#	Description	Suggested Retail
65-2499RK	Sensor, Carbon Monoxide (CO) 0 - 300 ppm, direct connect, non explosion proof, with j-box	480.00
65-2498RK	Sensor, Hydrogen Sulfide (H2S) 0 - 100 ppm, direct connect, non explosion proof, with j-box	480.00
61-1007RK-10	Sensor, IR, Carbon Dioxide (CO2) 0 - 100%, non explosion proof with j-box	840.00
61-1007RK-02	Sensor, IR, Carbon Dioxide (CO2) 0 - 5,000 ppm, non explosion proof with j-box	840.00
61-1007RK-03	Sensor, IR, Carbon Dioxide (CO2) 0 - 5%, non explosion proof with j-box	840.00
61-1007RK-05	Sensor, IR, Carbon Dioxide (CO2) 0 - 50%, non explosion proof with j-box	840.00
65-2497RK	Sensor, Oxygen (O2) 0 - 25%, direct connect, capillary type, non explosion proof, with j-box	460.00
65-2502RK	Sensor, Oxygen (O2) with j-box and I.S. barrier, partial pressure type, (no explosion proof approval)	385.00

Direct Connect Toxic Sensors, with J-box, Non Explosion Proof, OK for Class I,

Div 1 CT-7 Series with J-box

Part#	Description	Suggested Retail
65-2303-NH3-1	Sensor, Ammonia (NH3), 0 - 100 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-NH3-2	Sensor, Ammonia (NH3), 0 - 200 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-NH3-5	Sensor, Ammonia (NH3), 0 - 500 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-NH3-75	Sensor, Ammonia (NH3), 0 - 75 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-CL2-10	Sensor, Chlorine (Cl2), 0 - 10 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-CL2-3	Sensor, Chlorine (Cl2), 0 - 3 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-CL2-5	Sensor, Chlorine (Cl2), 0 - 5 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-CLO2-1	Sensor, Chlorine Dioxide (ClO2), 0 - 1 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-CLO2-3	Sensor, Chlorine Dioxide (ClO2), 0 - 3 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-CLO2-5	Sensor, Chlorine Dioxide (ClO2), 0 - 5 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-HCL	Sensor, Hydrogen Chloride (HCL) 0 - 20 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-HCN-15	Sensor, Hydrogen Cyanide (HCN), 0 - 15 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-NO	Sensor, Nitric Oxide (NO) 0 - 100 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-NO2	Sensor, Nitrogen Dioxide (NO2), 0 - 15 ppm, CT-7 style with j-box, non explosion proof	890.00
65-2303-SO2-10	Sensor, Sulfur Dioxide (SO2) 0 - 10 ppm, CT-7 style with j-box, non explosion proof	890.00



Note: **Stainless steel junction box for Direct Connect or S2 Series** can be supplied for an additional \$100.00 upon request instead of standard aluminum junction box. To order stainless junction box, just add 'SS' to the end of the part #..

Ex: 61-1000RKSS, or 65-2405RKSS.

Fixed Systems Sensors & Transmitters

Direct Connect Toxic Sensors with J-box, Non Explosion Proof, OK for Class I, Division 2

ESM-01 Series with J-box

Part#	Description	Suggested Retail
65-2301RK-NH3	Sensor, Ammonia (NH3) sensor, 0 - 75 ppm, direct connection, non explosion proof with j-box (no transmitter)	740.00
65-2301RK-ASH3	Sensor, Arsine (AsH3) sensor, 0 - 1.5 ppm, direct connection, non explosion proof with j-box (no transmitter)	740.00
65-2301RK-HCN	Sensor, Hydrogen Cyanide (HCN) sensor, 0 - 15 ppm, direct connection, non explosion proof with j-box (no transmitter)	740.00
65-2301RK-PH3	Sensor, Phosphine (PH3) sensor, 0 - 1 ppm, direct connection, non explosion proof with j-box (no transmitter)	740.00
65-2301RK-SO2	Sensor, Sulfur Dioxide (SO2) sensor, 0 - 6 ppm, direct connection, non explosion proof with j-box (no transmitter)	740.00



Direct Connect Sensors Remote Mount with Calibration Adapter / Splash Guard **Explosion Proof Class I, Division 1 Approved**

Includes diffusion calibration adapter for sample tube connection.

Part#	Description	Suggested Retail
61-1000RK-04	Sensor, LEL combustible (catalytic) with explosion proof j-box (no transmitter), (specify calibration) and calibration adapter/splash guard	485.00
61-1001RK-04	Sensor, LEL Hydrogen (H2) specific with explosion proof j-box (no transmitter) and calibration adapter/splash guard	640.00
61-1003RK-CH4-4	Sensor, IR, Methane (CH4) 0 - 100% LEL, explosion proof with j-box and calibration adapter/splash guard.....	930.00
61-1003RK-HC-04	Sensor, IR, Hydrocarbon (HC) 0 - 100% LEL, explosion proof with j-box and calibration adapter/splash guard.....	930.00

Includes diffusion cal cup **with splash guard** for sample tube connection.

Note: Tubing sold separately. Recommended tubing size for standard sensors is 3/16" x 5/16".
 For IR XP sensors use 1/4" ID x 3/8" OD tubing. **Not recommended for toxic gases.**

61-1000RK-04



81-1116RK
cal cup

61-1003RK-CH4-04



81-1103RK-01
cal cup / splash guard for IR

Fixed Systems Sensors & Transmitters

Direct Connect Replacement Sensors For Explosion Proof

Part#	Description	Suggested Retail
61-0191RK-10	Sensor, Carbon Dioxide (CO2) 0 - 100%, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
61-0191RK-02	Sensor, Carbon Dioxide (CO2) 0 - 5,000 ppm, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
61-0191RK-03	Sensor, Carbon Dioxide (CO2) 0 - 5%, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
61-0191RK-05	Sensor, Carbon Dioxide (CO2) 0 - 50%, IR, explosion proof direct connection (no transmitter, no j-box), cULus version	775.00
ES-1531-CO	Sensor, Carbon Monoxide (CO) 0 - 300 ppm, plug-in type, CT-7 style, cCSAus version	205.00
61-0190RK-HC	Sensor, Hydrocarbon (HC) 0 - 100% LEL, IR, isobutane standard calibration, explosion proof direct connection, 3/4" NPT nipple (no transmitter, no j-box), cULus version	775.00
61-5039RK-HC	Sensor, Hydrocarbon (HC) 0-100% LEL, IR, plug-in style	420.00
65-2049-01	Sensor, Hydrogen Cyanide (HCN), 0 - 15 ppm, CT-7 style, explosion proof and non explosion proof	470.00
ES-1537-H2S	Sensor, Hydrogen Sulfide (H2S) 0 - 100 ppm, plug-in type, CT-7 style, cCSAus version	205.00
61-5040RK-10	Sensor, IR Carbon Dioxide (CO2) 0-100%, plug-in type, non-explosion proof.....	420.00
61-5040RK-03	Sensor, IR Carbon Dioxide (CO2) 0-5%, plug-in type, non-explosion proof.....	420.00
61-5040RK-05	Sensor, IR Carbon Dioxide (CO2) 0-50%, plug-in type, non-explosion proof	420.00
61-0140RK-05	Sensor, LEL combustible (catalytic), direct connection (no transmitter, no j-box), cCSAus version	335.00
61-0140RK	Sensor, LEL combustible (catalytic), direct connection (no transmitter, no j-box), UL version	295.00
NC-6205-01	Sensor, LEL Hydrogen (H2) specific, 1/2 NPT, with guard and silicone resistance, UL version, (no transmitter, no j-box)	420.00
NC-6205-05	Sensor, LEL Hydrogen (H2) specific, explosion proof direct connection, with silicone resistance, cCSAus version, (no transmitter, no j-box)	470.00
61-0190RK-CH4	Sensor, Methane (CH4) 0 - 100% LEL, IR, explosion proof direct connection, 3/4" NPT nipple (no transmitter, no j-box), cULus version	775.00
61-0192RK-CH4	Sensor, Methane (CH4) 0 - 100% volume, IR, explosion proof direct connection, 3/4" NPT nipple (no transmitter, no j-box), cULus version	775.00
61-5039RK-CH4	Sensor, Methane (CH4) 0-100% LEL, IR, plug-in style	420.00
65-1025RK	Sensor, Oxygen (O2) 0 - 25%, capillary type, plug-in replacement for O2 assembly (65-2514RK & 65-2497RK)	145.00
65-2510RK	Sensor, Oxygen (O2) 0 -25%, non explosion proof direct connect, partial pressure type (no transmitter, no j-box)	285.00

Direct Connect Replacement Sensors For Non Explosion Proof

Part#	Description	Suggested Retail
ES-1531-CO	Sensor, Carbon Monoxide (CO) 0 - 300 ppm, plug-in type, CT-7 style, cCSAus version	205.00
ES-1537-H2S	Sensor, Hydrogen Sulfide (H2S) 0 - 100 ppm, plug-in type, CT-7 style, cCSAus version	205.00
61-5040RK-10	Sensor, IR Carbon Dioxide (CO2) 0-100%, plug-in type, non-explosion proof.....	420.00
61-5040RK-02	Sensor, IR Carbon Dioxide (CO2) 0-5,000 ppm, plug-in type, non-explosion proof	420.00
61-5040RK-03	Sensor, IR Carbon Dioxide (CO2) 0-5%, plug-in type, non-explosion proof.....	420.00
61-5040RK-05	Sensor, IR Carbon Dioxide (CO2) 0-50%, plug-in type, non-explosion proof	420.00
65-1025RK	Sensor, Oxygen (O2) 0 - 25%, capillary type, plug-in replacement for O2 assembly (65-2514RK & 65-2497RK)	145.00
65-2510RK	Sensor, Oxygen (O2) 0 -25%, non explosion proof direct connect, partial pressure type (no transmitter, no j-box)	285.00

Fixed Systems Sensors & Transmitters

Direct Connect Replacement CT-7 Toxic Sensors

Part#	Description	Suggested Retail
65-2053-01	Sensor, Ammonia (NH3) 0-500 ppm, Sensoric CT-7 style with added membrane	470.00
65-2054-01	Sensor, Ammonia (NH3) 0-75 ppm, -100 ppm, -200ppm, Sensoric CT-7 style with added membrane	470.00
65-2051-01	Sensor, Chlorine (Cl2), 0 - 5 ppm / 0 - 10 ppm, CT-7 style with added membrane	470.00
65-2052-01	Sensor, Chlorine Dioxide (ClO2), 0 - 1 ppm / 0 - 3 ppm / 0 - 5 ppm, CT-7 style with added membrane	470.00
65-2060-01	Sensor, Hydrogen Chloride (HCL), 0 - 20 ppm, CT-7 style with added membrane	470.00
65-2049-01	Sensor, Hydrogen Cyanide (HCN), 0 - 15 ppm, CT-7 style, explosion proof and non explosion proof	470.00
65-2015-01	Sensor, Nitric Oxide (NO), 0 - 100 ppm, CT-7 style with added membrane	470.00
65-2058-01	Sensor, Nitrogen Dioxide (NO2), 0 - 15 ppm, CT-7 style with added membrane	470.00
65-2024-01	Sensor, Sulfur Dioxide (SO2), 0 - 10 ppm, CT-7 style with added membrane	470.00

Direct Connect Replacement ESM-01 Toxic Sensors

Part#	Description	Suggested Retail
ESM-01R-D-NH3	Sensor, Ammonia (NH3), 0 - 75 ppm, ESM-01 plug-in type, for diffusion instruments	210.00
ESM-01DH-ASH3	Sensor, Arsine (AsH3), 0 - 1.50 ppm, ESM-01 plug-in type	210.00
ESM-K01-D-CL2	Sensor, Chlorine (Cl2), 0 - 3 ppm, ESM-01 plug-in diffusion type	210.00
ESM-01DH-D-HCN	Sensor, Hydrogen Cyanide (HCN), 0 - 15 ppm, ESM-01 plug-in type	210.00
ESM-01DH-PH3	Sensor, Phosphine (PH3), 0 - 1.0 ppm, ESM-01 plug-in type	210.00
ESM-01DH-D-SO2	Sensor, Sulfur Dioxide (SO2), 0 - 6 ppm, ESM-01 plug-in type	210.00