

Fixed Systems Sensors & Transmitters

S2 Series Diffusion Sensor / Transmitter

ORDERING INFORMATION: All S2 Series pricing includes the sensor and explosion proof housing.

Explosion Proof S2 Assemblies: Class I, Division 1 Approved



Part#	Description	Suggested Retail
65-2322RK	S2 Series Capillary type, Oxygen (O2) 0-25 sensor/transmitter, explosion proof with j-box, CSA version	730.00
65-2336RK	S2 Series Carbon Monoxide (CO) 0-300 ppm sensor / transmitter, explosion proof with j-box, CSA version	860.00
65-2445-100	S2 Series Hydrogen (H2) specific 0 - 100 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, UL	860.00
65-2445-100-05	S2 Series Hydrogen (H2) specific 0 - 100 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, CSA	910.00
65-2451RK-05	S2 Series Hydrogen (H2) specific 0 - 100% LEL sensor/transmitter with explosion proof j-box, CSA	880.00
65-2451RK	S2 Series Hydrogen (H2) specific 0 - 100% LEL sensor/transmitter with explosion proof j-box, UL	830.00
65-2445-1000	S2 Series Hydrogen (H2) specific 0 - 1000 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, UL	860.00
65-2445-1000-05	S2 Series Hydrogen (H2) specific 0 - 1000 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, CSA	870.00
65-2445-2000	S2 Series Hydrogen (H2) specific 0 - 2000 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, UL	860.00
65-2445-2000-05	S2 Series Hydrogen (H2) specific 0 - 2000 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, CSA	870.00
65-2445-500	S2 Series Hydrogen (H2) specific 0 - 500 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, UL	860.00
65-2445-500-05	S2 Series Hydrogen (H2) specific 0 - 500 ppm linearized, dual-pot MOS sensor/transmitter with explosion proof j-box, CSA	911.00
65-2333	S2 Series Hydrogen Cyanide (HCN) sensor / transmitter, explosion proof with j-box, CSA version	995.00
65-2331RK	S2 Series Hydrogen Sulfide (H2S) 0-100 ppm sensor / transmitter, explosion proof with j-box, CSA version	860.00
65-2396RK-10	S2 Series IR Carbon Dioxide (CO2) 0-100% sensor / transmitter, explosion proof with j-box, UL version	1,095.00
65-2396RK-02	S2 Series IR Carbon Dioxide (CO2) 0-5,000 ppm sensor / transmitter, explosion proof with j-box, UL version	1,095.00
65-2396RK-03	S2 Series IR Carbon Dioxide (CO2) 0-5% sensor / transmitter, explosion proof with j-box, UL version ...	1,095.00
65-2396RK-05	S2 Series IR Carbon Dioxide (CO2) 0-50% sensor / transmitter, explosion proof with j-box, UL version	1,095.00
65-2394RK-HC	S2 Series IR, Hydrocarbon (HC) 0-100% LEL sensor / transmitter with explosion proof j-box	1,095.00
65-2394RK-CH4	S2 Series IR, Methane (CH4) 0-100% LEL sensor / transmitter with explosion proof j-box	1,095.00
65-2395RK-CH4	S2 Series IR, Methane (CH4) 0-100% volume sensor / transmitter with explosion proof j-box	1,095.00
65-2405RK-05	S2 Series LEL 0-100% sensor (catalytic) / transmitter with explosion proof j-box, CSA version, (specify calibration)	700.00
65-2405RK	S2 Series LEL 0-100% sensor (catalytic) / transmitter with explosion proof j-box, UL version, (specify calibration)	675.00
65-2446-500-05	S2 Series MOS, Hexane (C6H14) 0-500 ppm linearized sensor/transmitter, dual pot with explosion proof j-box, CSA	910.00
65-2446-500	S2 Series MOS, Hexane (C6H14) 0-500 ppm linearized sensor/transmitter, dual pot, with explosion proof j-box, UL	860.00
65-2462RK	S2 Series TC, Hydrogen (H2) 0-10% vol sensor / transmitter, explosion proof with j-box	1,260.00

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 #.

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

Fixed Systems Sensors & Transmitters

S2 Assemblies, Non Explosion Proof, OK for Class I, Division 2

Part#	Description	Suggested Retail
65-2397RK-01	S2 detector/transmitter/j-box, IR, 0 - 9,000 ppm CO ₂ , non-explosion proof, replaceable sensor	985.00
65-2335RK	S2 Series Carbon Monoxide (CO) 0-300 ppm sensor / transmitter, non explosion proof with j-box	730.00
65-2330RK	S2 Series Hydrogen Sulfide (H ₂ S) 0-100 ppm sensor / transmitter, non explosion proof with j-box	730.00
65-2397RK-10	S2 Series IR Carbon Dioxide (CO ₂) 0-100%, non explosion proof with j-box	985.00
65-2397RK-02	S2 Series IR Carbon Dioxide (CO ₂) 0-5,000 ppm, non explosion proof with j-box	985.00
65-2397RK-03	S2 Series IR Carbon Dioxide (CO ₂) 0-5%, non explosion proof with j-box	985.00
65-2397RK-05	S2 Series IR Carbon Dioxide (CO ₂) 0-50%, non explosion proof with j-box	985.00
65-2320RK-100	S2 Series Oxygen (O ₂) 0-100% sensor / transmitter (partial pressure), non explosion proof with j-box ...	595.00
65-2320RK	S2 Series Oxygen (O ₂) 0-25% sensor / transmitter (partial pressure), non explosion proof with j-box	595.00
65-2321RK	S2 Series Oxygen (O ₂) 0-25% sensor / transmitter, (capillary type) non explosion proof with j-box	595.00

S2 Series Diffusion Sensor / Transmitter With CT-7 Toxic Sensor

Non Explosion Proof, OK for Class I, Division 2

Part#	Description	Suggested Retail
65-2341-NH3-1	S2 Series Ammonia (NH ₃) 0 - 100 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-NH3-2	S2 Series Ammonia (NH ₃) 0 - 200 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-NH3-5	S2 Series Ammonia (NH ₃) 0 - 500 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-NH3-75	S2 Series Ammonia (NH ₃) 0 - 75 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-CL2-10	S2 Series Chlorine (Cl ₂) 0 - 10 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box ...	1,205.00
65-2341-CL2-3	S2 Series Chlorine (Cl ₂) 0 - 3 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-CL2-5	S2 Series Chlorine (Cl ₂) 0 - 5 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-CLO2-1	S2 Series Chlorine Dioxide (ClO ₂) 0 - 1 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-CLO2-3	S2 Series Chlorine Dioxide (ClO ₂) 0 - 3 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-CLO2-5	S2 Series Chlorine Dioxide (ClO ₂) 0 - 5 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-HCL	S2 Series Hydrogen Chloride (HCL) 0 - 20 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-HCN-15	S2 Series Hydrogen Cyanide (HCN) 0 - 15 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-NO	S2 Series Nitrix Oxide (NO) 0 - 100 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-NO2	S2 Series Nitrogen Dioxide (NO ₂) 0 - 15 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00
65-2341-SO2-10	S2 Series Sulfur Dioxide (SO ₂) 0 - 10 ppm, CT-7 style sensor / transmitter, non explosion proof with j-box	1,205.00



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S2 Series Diffusion Sensor / Transmitter With ESM-01 Toxic Sensor

Non Explosion Proof, OK for Class I, Division 2

<u>Part#</u>	<u>Description</u>	<u>Suggested Retail</u>
65-2340RK-NH3	S2 Series Ammonia (NH3) 0-75 ppm sensor / transmitter, non explosion proof with j-box	880.00
65-2340RK-ASH3	S2 Series Arsine (AsH3) 0-1.5 ppm sensor / transmitter, non explosion proof with j-box	880.00
65-2340RK-HCN	S2 Series Hydrogen Cyanide (HCN) 0-15 ppm sensor / transmitter, non explosion proof with j-box	880.00
65-2340RK-PH3	S2 Series Phosphine (PH3) 0-1 ppm sensor / transmitter, non explosion proof with j-box	880.00
65-2340RK-SO2	S2 Series Sulfur Dioxide (SO2) 0-6 ppm sensor / transmitter, non explosion proof with j-box	880.00



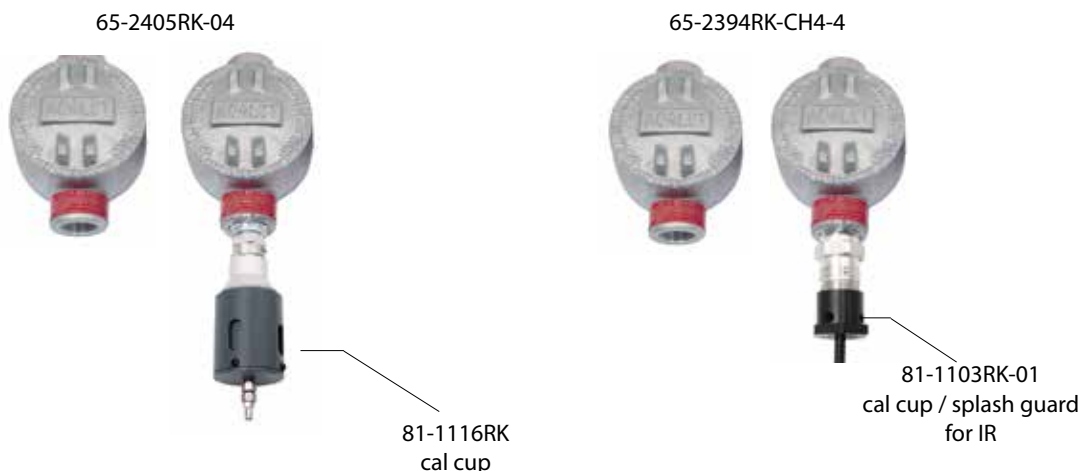
S2 Remote Mount with Calibration Adapter / Splash Guard

Explosion Proof, OK for Class I, Division 1

<u>Part#</u>	<u>Description</u>	<u>Suggested Retail</u>
65-2394RK-CH4-4	S2 Series IR Methane (CH4) 0-100% LEL, sensor / transmitter, with j-box, remote detector and calibration adapter/splash guard	1,250.00
65-2405RK-04	S2 Series LEL 0-100% sensor (catalytic) / transmitter with j-box, (specify calibration), remote detector and calibration adapter/splash guard	830.00
65-2451RK-04	S2 Series Hydrogen (H2) specific 0-100% LEL (catalytic) sensor/transmitter with j-box, remote detector and calibration adapter/splash guard	985.00

Includes diffusion calibration adapter for sample tube connection and extra j-box (S2 and M2 versions).
Includes diffusion calibration adapter / **splash guard** for sample tube connection and extra j-box.

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.**



Fixed Systems Sensors & Transmitters

Replacement Sensors For Explosion Proof S2 Series

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
TE-7550-H2-L-01	Sensor, Hydrogen (H2) 0-10% volume, thermal conductivity, 1/2 NPT with guard, UL version	790.00
TE-7550-H2-L-02	Sensor, Hydrogen (H2) 0-10% volume, thermal conductivity, 1/2 NPT without guard, UL version	790.00
61-0160RK	Sensor, Hydrogen (H2) 0-2,000 ppm, MOS, 1/2 NPT, UL version	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
61-0140RK-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



Replacement Sensors For Non Explosion Proof S2 Series

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

Replacement CT-7 Toxic Sensors for S2 Series

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

Replacement ESM-01 Toxic Sensors for S2 Series

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