

Fixed Systems Sensors & Transmitters

GD-70D Sample Drawing Sensor / Transmitter For Toxic Gases

4-20 mA Output Standard (specify when Ethernet output is needed)

Part#	Description	Suggested Retail
GD-70DEA-LELCH4	Smart transmitter, GD-70D for Methane (CH4), 0-100% LEL, with ethernet and 4-20 mA outputs	1,570.00
GD-70DEA-LEL-H2	Smart transmitter, GD-70D for Hydrogen (H2), 0-100% LEL, with ethernet and 4-20 mA outputs	1,570.00
GD-70DEA-MX-XXX	Smart transmitter, GD-70D with MOS (Metal Oxide Sensor), with ethernet and 4-20 mA outputs (specify gas & range)	1,770.00
GD-70DEA-OXY-EC	Smart transmitter, GD-70D for Oxygen (O2), 0-25% Vol. with ethernet & 4-20 mA outputs, with EC sensor	1,780.00
GD-70DEA-IRU-N2O	Smart transmitter, GD-70D for Nitrous Oxide (N2O), 0-500 ppm, with ethernet and 4-20 mA outputs	4,460.00
GD-70DEA-XXX	Smart transmitter, GD-70D toxic gas monitor with ethernet and 4-20 mA outputs, (XXX denotes the gas, check the chart below)	1,770.00
GD-70DPEA-XXX	Smart Transmitter, GD-70D toxic gas monitor with ethernet and 4-20 mA outputs, with pyrolyzer, (XXX denotes the gas check the chart below)	2,570.00
GD-70DEA-NS	Smart transmitter, GD-70D toxic gas monitor without sensor, with ethernet & 4-20 mA outputs.....	1,160.00
PLU-70	Pyrolyzer unit only for GD-70D	1,000.00
TP-70DG2-C4F6	Smart transmitter, GD-70D for Hexafluorobutadiene (C4F6), 0-5.00 ppm	8,600.00
TP-70DG2-C5F8	Smart transmitter, GD-70D for Octafluorocyclopentene (C5F8), 0-5 ppm	8,600.00
TP-70DG2-COS	Smart transmitter, GD-70D for Carbonyl Sulfide (COS), 0-15.0 ppm	9,425.00



GD-70D Toxic Gases & Ranges		
Measurable Gases	Range	Part #
Ammonia	75 ppm	GD-70DEA-NH3
Arsine	0.2 / 1.5 ppm	GD-70DEA-ASH3
Boron Trichloride	15 ppm	GD-70DEA-HCL *
Boron Trifluoride	9 ppm	GD-70DEA-HF *
Bromine	1 ppm	GD-70DEA-BR2
Carbon Monoxide	75 ppm (ESU-23)	GD-70DEA-CO-02
Carbon Monoxide	75 ppm (ESU-231)	GD-70DEA-CO-12
Carbon Monoxide	150 ppm (ESU-23)	GD-70DEA-CO-01
Carbon Monoxide	150 ppm (ESU-231)	GD-70DEA-CO-11
Carbon Monoxide	300 ppm (ESU-23)	GD-70DEA-CO-03
Carbon Monoxide	300 ppm (ESU-231)	GD-70DEA-CO-13
Chlorine	3 ppm	GD-70DEA-CL2
Chlorine Trifluoride	0.6 ppm	GD-70DEA-CLF3-A
Diborane	0.3 ppm	GD-70DEA-B2H6
Dichlorosilane	15 ppm	GD-70DEA-HCL *
Diethylamine	15 ppm	GD-70DEA-DEA
Dimethylamine	15 ppm	GD-70DEA-DMA
Disilane	15 ppm	GD-70DEA-Si2H6
Fluorine	3 ppm	GD-70DEA-F2
Germane	0.8 ppm	GD-70DEA-GEH4
Hydrogen Bromide	6 / 9 ppm	GD-70DEA-HBR-06 / -09
Hydrogen Chloride	6 / 15 ppm	GD-70DEA-HCL-06E / 15E
Hydrogen Cyanide	15 ppm	GD-70DEA-HCN
Hydrogen Fluoride	9 ppm	GD-70DEA-HF-03 / -09
Hydrogen Peroxide	3 ppm	GD-70DEA-H2O2
Hydrogen Selenide	0.2 ppm	GD-70DEA-H2SE
Hydrogen Sulfide	1 / 30 ppm	GD-70DEA-H2S-01 / -30
Nitric Oxide	100 ppm	GD-70DEA-NO
Nitrogen Dioxide	9 / 15 ppm	GD-70DEA-NO2-09 / -15
Nitrogen Tetraoxide	15 PPM	GD-70DEA-N2O4
Ozone	0.6 ppm	GD-70DEA-O3
Phosphine	1 ppm (ESU-23AH)	GD-70DEA-PH3-AH
Phosphine	1 ppm (ESU-23DH)	GD-70DEA-PH3-DH
Silane	15 ppm (ESU-23AH)	GD-70DEA-SiH4-AH
Silane	15 ppm (ESU-23DH)	GD-70DEA-SiH4-DH
Silicon Tetrachloride	15 ppm	GD-70DEA-HCL *
Silicon Tetrafluoride	9 ppm	GD-70DEA-HF
Sulfur Dioxide	6 ppm	GD-70DEA-SO2
Sulfur Tetrafluoride	9 ppm	GD-70DEA-HF *
Tetraethyl Orthosilicate	15 ppm	GD-70DPEA-TEOS
Trichlorosilane	15 ppm	GD-70DEA-HCL *
Trimethylamine	15 ppm	GD-70DEA-TMA
Tungsten Hexafluoride	9 ppm	GD-70DEA-HF *

* Gas measured after hydrolysis

GD-70D MOS Gases & Ranges		
Measurable Gases	Range	Part #
1,1 Dichloroethylene (DCE)	600 ppm	GD-70DEA-MDCE
Dichloromethane (DME)	2,000 ppm	GD-70DEA-MDCM
Hydrogen	500 ppm	GD-70DEA-MH2-S500
Hydrogen	1,000 ppm	GD-70DEA-MH2-S1K
Hydrogen	2,000 ppm	GD-70DEA-MH2-S2K
Hydrogen	2% vol	GD-70DEA-MH2-20K
Isopropyl Alcohol	2,000 ppm	GD-70DEA-MIPA-2K
Methane	2,000 ppm	GD-70DEA-MCH4-2K
Methane	5,000 ppm	GD-70DEA-MCH4-5K
Methane	2% vol	GD-70DEA-MCH4-20K
Methanol	1,000 ppm	GD-70DEA-MCH3OH-1
Methanol	2,000 ppm	GD-70DEA-MCH3OH-2
Propane	2,000 ppm	GD-70DEA-MC3H8-2K
Propane	5,000 ppm	GD-70DEA-MC3H8-5K
R-32	2,000 ppm	GD-70DEA-MR32
R-41	2,000 ppm	GD-70DEA-MR41

GD-70D LEL (catalytic) & O2 Gases & Ranges		
Measurable Gases	Range	Part #
Hydrogen	100% LEL	GD-70DEA-LEL-H2
Hydrogen	2% vol	GD-70DEA-H2-20K
Isobutane	100% LEL	GD-70DEA-ISOB
Methane	100% LEL	GD-70DEA-LEL-CH4
Methane	2% vol	GD-70DEA-CH4-20K
Oxygen	25% vol	GD-70DEA-OXY-EC

GD-70D Toxic (infrared) Gas & Range		
Measurable Gases	Range	Part #
Nitrous Oxide	500 ppm	GD-70DEA-IRU-N2O

GD-70D with Pyrolyzer



PLU-70

Fixed Systems Sensors & Transmitters

GD-70D Sample Drawing Sensor / Transmitter with NEMA 4X Enclosure

GD-70D with NEMA 4X Versions

Part#	Description	Suggested Retail
GD-70DEA4X-LCH4	Smart transmitter, GD-70D for Methane (CH ₄), 0-100% LEL, in NEMA 4X housing	2,410.00
GD70DEA4XLH220K	Smart transmitter, GD-70D for Hydrogen (H ₂), 0-2.00% Vol., in NEMA 4X housing	2,410.00
GD-70DEA4XOXYEC	Smart transmitter, GD-70D for Oxygen (O ₂), 0-25% Vol., with EC sensor in NEMA 4X housing	2,620.00
GD-70DEA4X-XXX	Smart transmitter, GD-70D toxic gas monitor in NEMA 4X housing (XXX denotes the gas)	2,520.00



GD-70D with NEMA 4X & Power Supply Versions

Part#	Description	Suggested Retail
GD-70DEA4A-LCH4	Smart transmitter, GD-70D for Methane (CH ₄), 0-100% LEL, with 115/220 VAC in NEMA 4X housing ...	2,515.00
GD-70DEA4A-LH2	Smart transmitter, GD-70D for Hydrogen (H ₂), 0-100% LEL, with 115/220 VAC in NEMA 4X housing ...	2,515.00
GD-70DEA4AOXYEC	Smart transmitter, GD-70D for Oxygen (O ₂), 0-25% Vol., 110/220 VAC, with EC sensor in NEMA 4X housing	2,725.00
GD-70DEA4A-XXX	Smart transmitter, GD-70D toxic gas monitor with 110/220 VAC, in NEMA 4X housing (XXX denotes the gas)	2,625.00

GD-70D with NEMA 4X & Strobe Versions

Part#	Description	Suggested Retail
GD-70DEA4S-LCH4	Smart transmitter, GD-70D for Methane (CH ₄), 0-100% LEL, 115/220 VAC in NEMA 4X housing with strobe	2,620.00
GD-70DEA4S-LH2	Smart transmitter, GD-70D for Hydrogen (H ₂), 0-100% LEL, 115/220 VAC in NEMA 4X housing with strobe	2,620.00
GD-70DEA4SOXYEC	Smart transmitter, GD-70D for Oxygen (O ₂), 0-25% Vol., 110/220 VAC, EC sensor, in NEMA 4X housing with strobe	2,830.00
GD-70DEA4S-XXX	Smart transmitter, GD-70D toxic gas monitor, 110/220 VAC, in NEMA 4X housing with strobe (XXX denotes the gas)	2,730.00

GD-70D with NEMA 4X, Horn, Strobe & Power Supply Versions

Part#	Description	Suggested Retail
GD-70DEA4J-LISO	Smart transmitter, GD-70D for Isobutane (CH ₃), 0-100% LEL, 115/220 VAC in NEMA 4X housing, with horn and strobe	2,935.00
GD-70DEA4J-LH2	Smart transmitter, GD-70D for Hydrogen (H ₂), 0-100% LEL, 115/220 VAC in NEMA 4X housing, with horn and strobe	2,935.00
GD-70DEA4JOXYEC	Smart transmitter, GD-70D for Oxygen (O ₂), 0-25% Vol., 110/220 VAC, EC sensor, in NEMA 4X housing, with horn and strobe	3,145.00
GD-70DEA4J-XXX	Smart transmitter, GD-70D toxic gas monitor, 110/220 VAC, in NEMA 4X housing, with horn and strobe (XXX denotes the gas)	3,045.00

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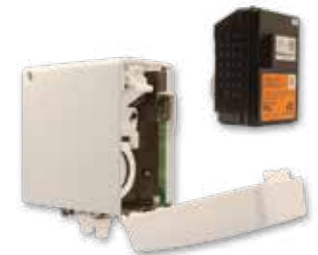
GD-70D Replacement Parts & Accessories

Part#	Description	Suggested Retail
06-1272RK	Tubing, teflon, 6x4mm, PTFE	7.00
06-1275	Tubing, Teflon, PTFE, 1/4 inch OD x 5/32 inch ID	16.00
17-2500RK-01	Nut/ferrule/4x6 tube for GD-70D fitting	5.30
30-1020RK	Pump, RP-70 for GD-70D	58.00
31-1011-01	Flow sensor for GD-70D	127.00
33-0165RK-01	Filter, Millipore, PTFE, disc type, hydrophobic with tubing, EAGLE, Fixed Systems.....	29.00



GD-70D Replacement Catalytic / Oxygen / TEOS Sensors

Part#	Description	Suggested Retail
NCU-6211	Sensor, combustibles, 0-100% LEL, sensor unit	420.00
SSU-1925-A	Sensor, ionization, GD-70D (Need to specify gas type & range)	520.00
NCU-6213	Sensor, Methane (CH4) 0-100% LEL, sensor unit	420.00
ESU-X23-OXY	Sensor, Oxygen (O2), 0-25.0%, sensor/amp unit for GD-70D	630.00
SSU-1927	Sensor, TEOS 0-15 ppm, ionization sensor unit.....	520.00



GD-70D Replacement EC Toxic Sensors

Part#	Description	Suggested Retail
ESU-23R-NH3	Sensor, Ammonia (NH3), 0-75 ppm, sensor/amp unit for GD-70D	520.00
ESU-C23F-ASH3	Sensor, Arsine (AsH3), 0-0.20 ppm, sensor/amp unit for GD-70D	520.00
ESU-C23F-S-ASH3	Sensor, Arsine (AsH3), 0-50 ppb, sensor/amp unit for GD-70D	945.00
ESU-K233-BR2	Sensor, Bromine (Br2), 0-1.0 ppm, sensor/amp unit for GD-70D	520.00
ESU-23RVM-BTBAS	Sensor, BTBAS (C8H22NSi), 0-15.00 PPM, for GD-70D	520.00
ESU-23-CO-150	Sensor, Carbon Monoxide (CO), 0-150 ppm, sensor/amp unit for GD-70D	520.00
ESU-237IF-COS	Sensor, Carbonyl Sulfide (COS), 0-15.0 ppm for TP-70DGII	520.00
ESU-K235-CL2-3	Sensor, Chlorine (Cl2), 0-3.0 ppm, sensor/amp unit for GD-70D	520.00
ESU-K235L-CL2-3	Sensor, Chlorine (Cl2), 0-3.00 PPM, sensor/amp unit for GD-70D, for low-humidity applications	520.00
ESU-K233CS-CLFA	Sensor, Chlorine Trifluoride (ClF3), 0-0.60 ppm, sensor/amp unit for GD-70D	520.00
ESU-K253-COF2	Sensor, Cobalt Difluorine (COF2), 0-6.00 ppm for GD-70D	520.00
ESU-23AY-B2H6	Sensor, Diborane (B2H6), 0-0.30 ppm, sensor/amp unit for GD-70D	520.00
ESU-23RVM-DEA	Sensor, Diethylamine (C2H5)2NH, 0-15.00 ppm, sensor/amp unit for GD-70D	520.00
ESU-23RVM-DMA	Sensor, Dimethylamine (CH3)2NH, 0-15.00 ppm, sensor/amp unit for GD-70D	520.00
ESU-23DH-Si2H6	Sensor, Disilane (Si2H6), 0-15 ppm, sensor/amp unit for GD-70D (with H2 response)	520.00
ESU-K235-F2-3	Sensor, Fluorine (F2), 0-3.0 ppm, sensor/amp unit for GD-70D	520.00
ESU-K233M-HCOOH	Sensor, Formic Acid (HCOOH), 0-15.0 ppm for GD-70D	520.00
ESU-23DH-GEH4	Sensor, Germane (GeH4), 0-0.80 ppm, sensor/amp unit for GD-70D	520.00
ESU-K235L-C4F6	Sensor, Hexafluorobutadiene (C4F6), 0-5.0 ppm for TP-70DII	520.00
ESU-23E-N2H4	Sensor, Hydrazine (N2H4), 0-5.00 ppm, sensor/amp unit for GD-70D	520.00
ESU-23E-HBR-06	Sensor, Hydrogen Bromide (HBr), 0-6.00 ppm, sensor/amp unit for GD-70D	520.00
ESU-23E-HBR-09	Sensor, Hydrogen Bromide (HBr), 0-9.00 ppm, sensor/amp unit for GD-70D	520.00
ESU-23E-HCL-15	Sensor, Hydrogen Chloride (HCl), 0-15 ppm, sensor/amp unit for GD-70D (standard range)	520.00
ESU-23E-HCL-06	Sensor, Hydrogen Chloride (HCl), 0-6.00 ppm, sensor/amp unit for GD-70D	520.00
ESU-23DH-HCN	Sensor, Hydrogen Cyanide (HCN), 0-15 ppm, sensor/amp unit for GD-70D	520.00
ESU-K233-HF-09	Sensor, Hydrogen Fluoride (HF), 0-9.0 ppm, sensor/amp unit for GD-70D	520.00
ESU-23SD-H2SE	Sensor, Hydrogen Selenide (H2Se), 0-0.20 ppm, sensor/amp unit for GD-70D	520.00
ESU-237IF-H2S30	Sensor, Hydrogen Sulfide (H2S), 0-30 ppm, sensor/amp unit for GD-70D	520.00
ESU-23RVM-MMTA	Sensor, Methylamine (CH3NH2), 0-15 ppm, sensor/amp unit for GD-70D	520.00
ESU-K233-HNO3	Sensor, Nitric Acid (HNO3), 0-20.0 ppm, sensor/amp unit for GD-70D	520.00
ESU-23A-NO	Sensor, Nitric Oxide (NO), 0-100 ppm, sensor/amp unit for GD-70D	520.00
ESU-23AR-NO2-15	Sensor, Nitrogen Dioxide (NO2), 0-15 ppm, sensor/amp unit for GD-70D	520.00
ESU-23AR-NO2-09	Sensor, Nitrogen Dioxide (NO2), 0-9 ppm, sensor/amp unit for GD-70D	520.00
ESU-23AH-D-NF3	Sensor, Nitrogen Trifluoride (NF3), 0-30 ppm, sensor/amp unit for GD-70D	520.00
ESU-K235L-C5F8	Sensor, Octafluorocyclopentene (C5F8), 0-5 ppm sensor/amp unit for GD-70D	520.00
ESU-K239C-S-O3	Sensor, Ozone (O3), 0-0.60 ppm, sensor/amp unit for GD-70D	520.00
ESU-23AH-PH3	Sensor, Phosphine (PH3), 0-1.0 ppm, sensor/amp unit for GD-70D (no H2 response)	520.00

Fixed Systems Sensors & Transmitters

GD-70D Replacement EC Toxic Sensors (continued)

Part#	Description	Suggested Retail
ESU-23DH-PH3	Sensor, Phosphine (PH3), 0-1.0 ppm, sensor/amp unit for GD-70D (with H2 response)	520.00
ESU-23AH-SiH4	Sensor, Silane (SiH4), 0-15 ppm, sensor/amp unit for GD-70D (no H2 response)	520.00
ESU-23DH-SiH4	Sensor, Silane (SiH4), 0-15 ppm, sensor/amp unit for GD-70D (with H2 response)	520.00
ESU-238-SO2	Sensor, Sulfur Dioxide (SO2), 0-6.0 ppm, sensor/amp unit for GD-70D	520.00
ESU-23RVM-TMA	Sensor, Trimethylamine ((CH3)3N), 0-15 ppm, sensor/amp unit for GD-70D	520.00
ESU-23DH-TSA	Sensor, Trisilylamine (Si3H9N), 0-15.0 ppm for GD-70D	520.00

GD-70D Replacement MOS Sensors

Part#	Description	Suggested Retail
SGU-8521-ACE-1K	Sensor, Acetone (C3H6O), 0-1000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-CH3CN	Sensor, Acetonitrile (CH3CN), 0 - 2,000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-C2H2-2	Sensor, Acetylene (CH2H2), 0 - 2,000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8562-COS-2K	Sensor, Carbonyl sulfide (COS), 0 - 2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8513-DCE-6	Sensor, Dichloroethene (C2H2Cl2), 0 - 600 ppm, MOS sensor/amp unit for GD-70D	630.00
SGU-8523-DCM-2K	Sensor, Dichloromethane (DCM), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-R32-2K	Sensor, Difluoromethane (CH2F2), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-R32-9K	Sensor, Difluoromethane (CH2F2), 0-9000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-C2H4-2	Sensor, Ethylene (CH2H4), 0 - 2,000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-R41-2K	Sensor, Fluoromethane (CH3F), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-C4F6A	Sensor, Hexafluorobutadiene (C4F6), 0 - 200 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8541-H2-500	Sensor, Hydrogen (H2) specific, 0 - 500 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-H2-500	Sensor, Hydrogen (H2), 0 - 500 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-H2-1K	Sensor, Hydrogen (H2), 0-1000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8541-H2-1K	Sensor, Hydrogen (H2), 0-1000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-H2-20K	Sensor, Hydrogen (H2), 0-2.0% vol, MOS sensor/amp unit for GD-70D	520.00
SGU-8541-H2-2K	Sensor, Hydrogen (H2), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8541-H2-4K	Sensor, Hydrogen (H2), 0-4000 ppm, MOS sensor/amp unit for GD-70D	630.00
SGU-8521-IPA-2K	Sensor, Isopropylalcohol (CH3CHOHCH3), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-CH4-5K	Sensor, Methane (CH4), 0 - 5000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-CH4-20	Sensor, Methane (CH4), 0-2.0% vol, MOS sensor/amp unit for GD-70D	520.00
SGU-8581-CH4-2K	Sensor, Methane (CH4), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-MET-1K	Sensor, Methanol (CH3OH), 0-1000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8521-MET-2K	Sensor, Methanol (CH3OH), 0-2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-C3H8-2	Sensor, Propane (C3H8), 0 - 2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-C3H8-5	Sensor, Propane (C3H8), 0 - 5000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-C3H6-2	Sensor, Propylene (C3H6), 0 - 2000 ppm, MOS sensor/amp unit for GD-70D	520.00
SGU-8511-C3H6-5	Sensor, Propylene (C3H6), 0 - 5000 ppm, MOS sensor/amp unit for GD-70D	520.00

Notes

- Consult factory for additional PPM ranges available.