

Sensor selection list general purpose

Environmental Monitoring Systems (EMS) BV



Measurement Technology

Articlenumber		206153	206301	206201	206401/206402	206501/206502	206601	202101
Description sensor		Probe standard	IP sensor	WM standard	WM 4-20mA	WM EeX 4-20mA	WM EeX TTL	Portable
Combustible Gases								
LP-Gas/Propane (500-10000ppm)	21GP813	-	X	X	-	-	-	-
LP-Gas Propane/Butane	22GP-15A-00	-	X	X	-	-	-	-
LNG / LPG sensor	no GP sensor	-	-	-	-	-	-	-
Natural gas/Methane (500-10000ppm)	21GP842	-	X	X	-	-	-	-
Hydrocarbons Methane Propane Butane	22GP-11-00	-	X	X	-	-	-	-
Methane	22GP-12A-00	-	X	X	-	-	-	-
Methane and CO (Dual sensor)	no GP sensor	-	-	-	-	-	-	-
General combustible gas (500-10000ppm)	21GP813	-	X	X	-	-	-	-
Combustion gas	22GP-MW3	?	?	?	?	?	?	?
Hydrogen (50-1000ppm)	21GP821	-	X	X	-	-	-	-
Hydrogen (100-1000ppm)	22GP-19-00	-	X	X	-	-	-	-
Toxic Gases								
Carbon monoxide (50-1000ppm)	21GP203	-	X	-	-	-	-	-
Carbon monoxide	no GP sensor	-	-	-	-	-	-	-
Carbon monoxide	no GP sensor	-	-	-	-	-	-	-
Ammonia (30-300ppm)	21GP826	-	X	X	-	-	-	-
Ammonia	22GP-53-00	-	X	X	-	-	-	-
Hydrogen sulfide (5-100ppm)	21GP825	-	X	X	-	-	-	-
Hydrogen sulfide	22GP-51	?	?	?	?	?	?	?
Gasoline exhaust	22GP-AD3	?	?	?	?	?	?	?
Gasoline exhaust	22GP-AD1	?	?	?	?	?	?	?
Diesel exhaust	no GP sensor	-	-	-	-	-	-	-
Diesel exhaust	no GP sensor	-	-	-	-	-	-	-
Diesel exhaust	no GP sensor	-	-	-	-	-	-	-
Dual gasoline/diesel	no GP sensor	-	-	-	-	-	-	-
CO and Methane (Dual sensor)	no GP sensor	-	-	-	-	-	-	-
Oxidizing Gases								
Ozone	22GP-61	?	?	?	?	?	?	?
Nitrogen oxides	no GP sensor	-	-	-	-	-	-	-
Chlorine	22GP-65	-	X	X	-	-	-	-
Organic Solvents								
Alcohol, toluene, xylene (50-5000ppm)	21GP822	-	X	X	-	-	-	-
Alcohol	22GP-32-00	-	X	X	-	-	-	-
Other volatile organic vapors	21GP822	-	X	X	-	-	-	-
General Purpose	22GP-31-00	-	X	X	-	-	-	-
CFCs (HCFCs and HFCs)								
R-22, R-113 (100-3000ppm)	21GP830	-	X	X	-	-	-	-
R-21-R-22 (100-3000ppm)	21GP831	-	X	X	-	-	-	-
R-134a,R-22 (100-3000ppm)	21GP832	-	X	X	-	-	-	-
R22 (HCFC's)	22GP-41-00	-	X	X	-	-	-	-
R134a (HFC's)	22GP-42-00	-	X	X	-	-	-	-
R134a (HFC's)	22GP-42A-00	-	X	X	-	-	-	-
Other refrigerant gases	21GP83x series	-	X	X	-	-	-	-
Indoor Pollutants								
Carbon dioxide	21LP4160	-	-	-	-	-	-	-
Carbon dioxide	no GP sensor	-	-	-	-	-	-	-
Air contaminants (<10ppm)	21GP800	-	-	-	-	-	-	-
Air contaminants (<10ppm) H2, CO etc.	no GP sensor	-	-	-	-	-	-	-
Air contaminants (<10ppm) odourous gases	no GP sensor	-	-	-	-	-	-	-
General purpose air controls VOCs 10.000	22GP-AQ1-00	-	X	X	-	-	-	-
General purpose air controls VOCs 100	22GPAQ2-00	-	X	X	-	-	-	-
General purpose air controls VOCs 100	22GP3-AQ2-00	-	X	X	X	-	-	-
General purpose air controls VOCs 100	22GP3-AQ2Y-00	-	-	-	X	-	-	-
Cigarette smoke	22GP-AQ3-00	-	X	X	-	-	-	-
Cooking Vapors								
Volatile vapors from food (alcohol)	21GP880	-	X	X	-	-	-	-
Water vapors from food	21GP883T	-	X	X	-	-	-	-
Volatile vapors/water vapor	no GP sensor	-	-	-	-	-	-	-
General Purpose	22GP-MW0-00	-	X	X	-	-	-	-
Humidity	22GP-MW1-00	-	X	X	-	-	-	-
Alcohol vapour from food	22GP-MW2-00	-	D	D	-	-	-	-
Oxygen								
0-100% - 5-year life, 12 sec. to 90%	21GP-25	consult EMS for all versions						
0-100% - 10-year life, 60 sec. to 90%	21GP-50	consult EMS for all versions						

D =development

X = available

- = not available

? = Sensor in development, no further information