

Sensor selection list low-power

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)	21LP2610	X	X	X	X	X	X	X
LP-Gas Propane/Butane	22LP-15-00	-	X	-	-	-	-	X
LNG / LPG sensor	21LP2612	D	D	D	D	D	D	D
Natural gas/Methane (500-10000ppm)	21LP2611	X	X	X	X	X	X	X
Hydrocarbons Methane Propane Butane	22LP-11A-00	-	X	X	X	-	-	X
Methane	22LP-12A	-	D	X	D	-	-	D
Methane and CO (Dual sensor)	22LP-95-11	-	X	-	X	-	-	-
	21LP3870	-	X	-	X	-	-	-
General combustible gas (500-10000ppm)	21LP2610	X	X	X	X	X	X	X
Combustion gas	no LP sensor	-	-	-	-	-	-	-
Hydrogen (50-1000ppm)	21LP2620	X	X	X	X	X	X	X
Hydrogen (50-1000ppm)	21LP2613	D	D	D	D	D	D	D
Hydrogen (100-1000ppm)	22LP-19-00	-	X	X	X	-	-	X
Toxic Gases								
Carbon monoxide (50-1000ppm)	21LP2442	-	X	-	X	-	-	-
Carbon monoxide	22LP-50-00	-	X	-	X	-	-	-
Carbon monoxide	22LP-500-11	-	X	-	X	-	-	-
Ammonia (30-300ppm)	21LP2642	?	?	?	?	?	?	?
Ammonia	22LP-53	?	?	?	?	?	?	?
Hydrogen sulfide (5-100ppm)	21LP2643	?	?	?	?	?	?	?
Hydrogen sulfide	no LP sensor	-	-	-	-	-	-	-
Gasoline exhaust	21LP2104	-	X	-	X	-	-	-
Gasoline exhaust	22GP-AD1	?	?	?	?	?	?	?
Diesel exhaust	21LP2105	-	X	-	X	-	-	-
Diesel exhaust	22GP-AD2	?	?	?	?	?	?	?
Diesel exhaust	21LP2106	-	X	X	X	-	-	-
Dual gasoline/diesel	21LP2201	-	X	-	X	-	-	-
CO and Methane (Dual sensor)	22LP-95-11	-	X	-	X	-	-	-
Oxidizing Gases								
Ozone	no LP sensor	-	-	-	-	-	-	-
Ozone	22LP-21	-	-	X	-	-	-	-
Nitrogen oxides	22LP-62	?	?	?	?	?	?	?
Chlorine	no LP sensor	-	-	-	-	-	-	-
Organic Solvents								
Alcohol, toluene, xylene (50-5000ppm)	21LP2620	X	X	X	X	X	X	X
Alcohol	22LP-30-00	-	X	X	X	-	-	X
Other volatile organic vapors	21LP2620	X	X	X	X	X	X	X
General Purpose	22LP-31-00	-	X	X	X	-	-	X
CFCs (HCFCs and HFCs)								
R-22, R-113 (100-3000ppm)	no LP sensor	-	-	-	-	-	-	-
R-21-R-22 (100-3000ppm)	no LP sensor	-	-	-	-	-	-	-
R-134a,R-22 (100-3000ppm)	no LP sensor	-	-	-	-	-	-	-
R22 (HCFC's)	22LP-41-00	-	X	X	X	-	-	X
R134a (HFC's)	22LP-42-00	-	X	X	X	-	-	X
R134a (HFC's)	22LP-42A-00	-	X	X	X	-	-	X
Other refrigerant gases	consult EMS	??	??	??	??	??	??	??
Indoor Pollutants								
Carbon dioxide	21LP4160	-	X	X	-	-	-	-
Carbon dioxide	21LP4161	-	X	X	consult EMS	-	-	consult EMS
Air contaminants (<10ppm)	21LP2100	-	X	X	-	-	-	-
Air contaminants (<10ppm) H2, CO etc.	21LP2600	X	X	X	X	X	X	X
Air contaminants (<10ppm) odorous gases	21LP2602	X	X	X	X	X	X	X
General purpose air controls VOCs 10.000	22LP-AQ1A-00	-	X	X	X	-	-	X
General purpose air controls VOCs 100 ppm	no LP sensor	-	-	-	-	-	-	-
General purpose air controls VOCs 100 ppm	no LP sensor	-	-	-	-	-	-	-
General purpose air controls VOCs 100 ppm	no LP sensor	-	-	-	-	-	-	-
Cigarette smoke	22LP-AQ4-00	-	X	X	X	-	-	X
Cooking Vapors								
Volatile vapors from food (alcohol)	21LP2181	-	D	D	-	-	-	-
Water vapors from food	21LP2180	-	D	D	-	-	-	-
Volatile vapors/water vapor	21LP2281	?	?	?	?	?	?	?
General Purpose	no LP sensor	-	-	-	-	-	-	-
Humidity	no LP sensor	-	-	-	-	-	-	-
Alcohol vapour from food	no LP sensor	-	-	-	-	-	-	-
Oxygen								
0-100% - 5-year life, 12 sec. to 90%	no LP sensor	-	-	-	-	-	-	-
0-100% - 10-year life, 60 sec. to 90%	no LP sensor	-	-	-	-	-	-	-

D

X = available

- = not available

? = Sensor in development, no further information