

INSTRUMENT SPECIFICATION SHEET - CARBON DIOXIDE GAS MONITORS

GENERAL DATA	1	INSTRUMENT TAG NUMBER				
	2	SERVICE				
	3	P&ID NUMBER				
	4	MANUFACTURER	Detcon			
	5	MATERIAL SOURCE				
	6					
	7					
PROCESS DATA	8	GAS(ES) TO BE DETECTED	Carbon Dioxide			
	9					
	10	CONTAMINANT AND / OR CORROSIVE GASES				
SENSOR DATA	11	SENSOR TAG NUMBER				
	12	MODEL NUMBER	IR-540			
	13	SENSOR TYPE	NDIR			
	14	NUMBER OF SENSORS	1			
	15	SENSOR HOUSING MATERIAL	SS			
	16	CALIBRATED RANGE	0-.3% / 0-1% / 0-3% / 0-5% By Volume			
TRANSMITTER	17	TRANSMITTER TAG NUMBER				
	18	MODEL NUMBER	IR-540			
	19	HOUSING NEMA (OR EQUIVALENT) RATING	NEMA 7/4X			
	20	HOUSING MATERIAL	Note 1			
	21	CONDUIT CONNECTION SIZE	3/4" NPT			
	22	OUTPUT SIGNAL, RANGE mA	4-20 mA DC			
	23	MAXIMUM LOOP LOAD, OHMS (@ 24 VDC)	1000 ohms			
	24	OUTPUT SIGNAL, CABLE LENGTH				
	25	SENSOR REPLACEABLE UNDER POWER	YES			
	26	POWER SUPPLY	11.5-28 VDC			
27	DIGITAL DISPLAY	YES				
CONTROLLER UNIT	28	CONTROL UNIT REQUIRED	NO			
	29	CONTROL UNIT TAG NUMBER				
	30	MODEL NUMBER				
	31	NUMBER OF CHANNELS				
	32	NUMBER OF MULTI-CHANNEL RACKS				
	33	LOCATION				
	34	MOUNTING				
	35	HOUSING NEMA (OR EQUIVALENT) RATING				
	36	POWER SUPPLY				
	37	INTEGRAL LOGIC AND LOOP POWER				
	38	WARNING ALARM: LATCHING / UNLATCHING				
	39	WARNING ALARM SETPOINT, IN MEASUREMENT UNITS				
	40	CRITICAL ALARM SETPOINT, IN MEASUREMENT UNITS				
MISC	41	CRITICAL ALARM: LATCHING / UNLATCHING				
	42	ELECTRICAL AREA CLASSIFICATION	Class I Division 1 Groups B,C,D			

NOTES:

- 1) Standard Housing Material: Aluminum with epoxy baked finish, Optional: 316 SS
- 2) Warranty: Sensor - 5-year conditional, Transmitter - 2-year w/ 5-year fixed fee repair
- 3) Operating Temp. -40°C to +75°C, Operating Humidity 0% to 99% RH non-condensing
- 4) Accuracy/Repeatability is ± 5.0% of Full Scale
- 5) Response Time: T50 < 15 seconds, T90 < 40 seconds
- 6) Plug-in, field replaceable sensor element and transmitter
- 7) Microprocessor-controlled, self-diagnostic transmitter electronics with local Fault LED