

INSTRUMENT SPECIFICATION SHEET - ETHYLENE GAS MONITORS

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|-----------------|----|---|--|--|--|--|
| 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 | C2H4 | | | |
| | 9 | | | | | |
| | 10 | CONTAMINANT AND / OR CORROSIVE GASES | | | | |
| SENSOR DATA | 11 | SENSOR TAG NUMBER | | | | |
| | 12 | MODEL NUMBER | DM-600IS-C2H4 | | | |
| | 13 | SENSOR TYPE | E-Chem | | | |
| | 14 | NUMBER OF SENSORS | 1 | | | |
| | 15 | SENSOR HOUSING MATERIAL | SS / ABS | | | |
| | 16 | CALIBRATED RANGE | 0-100 PPM | | | |
| TRANSMITTER | 17 | TRANSMITTER TAG NUMBER | | | | |
| | 18 | MODEL NUMBER | DM-600IS-C2H4 | | | |
| | 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 | 22.5-28 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 | Note 2 | | | |
| | 39 | WARNING ALARM SETPOINT, IN MEASUREMENT UNITS | Note 2 | | | |
| | 40 | CRITICAL ALARM SETPOINT, IN MEASUREMENT UNITS | Note 2 | | | |
| MISC | 41 | CRITICAL ALARM: LATCHING / UNLATCHING | Note 2 | | | |
| | 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) Alarm relays (2) are field programmable for Latching/Unlatching and Alarm Setpoint; 1 fault relay
- 3) Warranty: Sensor - 2-year, Transmitter - 2-year w/ 5-year fixed fee repair
- 4) Operating Temp. -20°C to +50°C, Operating Humidity 15% to 90% RH non-condensing
- 5) Accuracy/Repeatability is ± 2.0% of Full Scale
- 6) Response Time: T90 < 140 seconds
- 7) Plug-in, field replaceable sensor element and transmitter
- 8) Sensor outputs include 4-20 mA , alarm relays (2 w/ LED), fault relay and RS-485 (Modbus RTU)
- 9) Microprocessor-controlled, self-diagnostic transmitter electronics with local Fault LED