

A-241 METHANE MONITORING SYSTEM

KWJ Engineering Inc.

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The Model A-241 Methane (CH₄) Monitoring System is a 115 VAC instrument designed for monitoring landfill gas for methane, indicating the concentration in percent methane, and providing a 4-20mA output signal proportional to the percent methane. The analyzer operates on the NDIR (non-dispersive infrared) method, which is specific for methane.

The Model A-241 is housed in a NEMA-4X stainless steel surface-mounted cabinet. Mounting is easily accomplished through flanges at the top and bottom, where the power and sample connections are also located. A hinged door with screw clamps can be opened for unrestricted access to the interior, and a window in the door allows complete visibility of the digital CH₄ display, the indicator light, and flow meter. The system is maintained automatically at a preset temperature by an internal heater and temperature control system which is factory set at 110°F, to prevent water condensation. The sample is also filtered, to protect the interior of the sample system from water and dust.

SPECIFICATIONS

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| CASE CONSTRUCTION: NEMA-4X weather resistant, stainless steel, with hinged front door. | RESPONSE TIME: 15 seconds |
| DIMENSIONS: 10" x 12" x 6" | CONTINUOUS OPERATION TIME: Continuous lifetime operation |
| WEIGHT: 8 lbs | POWER SOURCE: 115 VAC |
| GAS DETECTED: CH ₄ | CONTROLS: Zero and span potentiometer, flowmeter, flow control valve, temperature controller |
| DETECTION PRINCIPLE: NDIR (non-dispersive infrared) | STANDARD ACCESSORIES: Test jumper at 4-20mA signal block, filter |
| DETECTION RANGE: 0-100% by volume | OPTIONAL ACCESSORIES: Calibration kit, replacement filter, fuse |
| SAMPLING METHOD: Continuous, bypass type | APPLICATIONS: Monitoring of landfill gas, industrial wastes, gas and oil field and refining |
| DISPLAY SPECS: Digital LED-type, 3 digit display | AVAILABLE AS: Custom instrument |
| ALARMS: N/A | SENSOR WARRANTY: 1 year |
| OPERATING TEMP: 10° - 120°F | INSTRUMENT WARRANTY: 1 year |
| OPERATING HUMIDITY: 0-100% RH | |

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