

A-322 OXYGEN MONITORING SYSTEM

KWJ Engineering Inc.

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The Model A-322 is a 115 VAC oxygen analyzer designed for ConAgra to monitor digester gas for oxygen in a methane stream over the range of 0-25%. Due to the presence of H₂S in the gas sample, the instrument is housed in two NEMA-4X fiberglass cabinets to separate sample flow and detection components from electronic components. The instrument continuously monitors a sample gas forced into system under its own pressure of 0.5 to 25psig and provides a 4-20mA output signal.

SPECIFICATIONS

CASE CONSTRUCTION: Two close coupled NEMA-4X fiberglass cabinets with hinged and gasketed doors	RESPONSE TIME: 10 seconds
DIMENSIONS: 14" x 9" x 4.5"	CONTINUOUS OPERATION TIME: lifetime
WEIGHT: 12 lbs	POWER SOURCE: 115VAC
GAS DETECTED: O ₂	CONTROLS: Zero, span, 4mA pots, flowmeter, restrictor valve
DETECTION PRINCIPLE: 2 electrode electromechanical	STANDARD ACCESSORIES: Power cord
DETECTION RANGE: 0-25%	OPTIONAL ACCESSORIES: Calibration kit, H ₂ S filter spare
SAMPLING METHOD: Continuous, passive	APPLICATIONS: Biogas analysis in food process or other industrial process where H ₂ S is found with sample gas
DISPLAY SPECS: LCD type, in 0.1% increments	AVAILABLE AS: Custom instrument
ALARMS: LED type flow fail alarm	
OPERATING TEMP: 32° - 120°F	SENSOR WARRANTY: 1 year
OPERATING HUMIDITY: 0-95% RH	INSTRUMENT WARRANTY: 1 year

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