

PRAGMATICS MODEL 627 ATV PIPELINE LEAK DETECTION

KWJ Engineering Inc



The Pragmatics instruments now being made and sold by KWJ Engineering are the latest versions of a unique product line originally developed by Richard Motsinger of St. Louis. Integrally built as part of a safety lantern, the Prags are rugged, reliable gas detection tools well known in the two separate fields of arson investigation and pipeline leak detection.

In pipeline leak work, the stability of the dual-sensor principle enables the supersensitive metal oxide detector to give practical indications down to 1 ppm methane, rivaling the sensitivity of the more complex and expensive hydrogen flame ionization detector often used in this service. The Model 627 ATV is designed specifically for DOT Class 2 and 3 gas pipeline walking or driving surveys of underground and above ground transmission lines. Included with this model is an additional Search sensor with vehicle mounting bracket for easy installation on ATVs, trucks, and most other vehicles utilized during driving surveys. The Model 627 ATV has become the choice of pipeline operators throughout the United States and Canada.

SPECIFICATIONS

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|----------------------|--|----------------------------|---|
| CASE CONSTRUCTION: | Brightstar lantern package, working | RESPONSE TIME: | 1 second |
| DIMENSIONS: | 4.5" W x 8" L x 5" H lantern, probe 48" extended | CONTINUOUS OPERATION TIME: | 10 working hours |
| WEIGHT: | 5 lbs. | POWER SOURCE: | 6v rechargeable lead acid battery |
| GAS-detected: | Methane | CONTROLS: | Search/Zero, Tone/Off/Silent, Loud/Soft Tone, Lantern On/Off, LED meter off/on |
| DETECTION PRINCIPLE: | Compensating semiconductor type | STANDARD ACCESSORIES: | Alkaline battery pack, 2 pc probe, AC and DC charging cords, hard shell case, rubber cup, vehicle mount Search sensor assembly. |
| DETECTION RANGE: | 1 ppm - 10,000 ppm | OPTIONAL ACCESSORIES: | Pelican case, extendable sensor probe for hard to reach locations |
| SAMPLING METHOD: | Diffusion | APPLICATIONS: | Natural gas pipeline DOT Class 2 and 3 surveys, municipal gas company pipeline surveys, gas meter leak detector, above and below ground gas detection, gas cylinder leak detection. Power plant Hydrogen leak detection |
| DISPLAY SPECS: | None, with optional LED meter 1ppm to 1% gas | AVAILABLE AS: | Product |
| ALARMS: | 1% gas level, (methane) | SENSOR WARRANTY: | 1 year |
| OPERATING TEMP: | 20 F-120F | INSTRUMENT WARRANTY: | 1 year |
| OPERATING HUMIDITY: | 10-100% RH | | |

**KWJ Engineering Inc.
8440 Central Ave.
Newark, CA 94560
Phone: (510) 794-4296
Fax: (510) 794-4330**