

# Vehicle Gateway Monitor - Model 375-600

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## Specifications

**INDICATED USE:** Area monitoring

**DETECTOR:** 630 in<sup>3</sup> shielded plastic scintillation

**SHIELDING:** 0.125" lead on five sides

**SENSITIVITY:** 30 kcpm/ $\mu$ R/hr (<sup>137</sup>Cs)

**DISPLAY:** 4 digit LED display with 0.8" (2cm) digits

**DISPLAY UNITS:** kcpm

**LINEARITY:** Reading within 10% of true value

**RESPONSE:** Typically 3 seconds from 10% to 90% of final reading

**STATUS:** (green light) instrument functioning properly

**LOW ALARM:** Indicated by yellow LOW ALARM light and slow beep (1 per second) audible tone (can be set at any point from 0.0 - 9999)

**NOTE:** Audible alert and alarm indicators can be configured as a single beep if desired

**DET FAIL:** (red light and audible tone; greater than 68 dB at 2 feet) indicates detector overload, no count from detector, or instrument failure

**LOW BAT:** (yellow) indicates less than 2 hours of battery power remaining

**DEAD TIME:** Adjustable to compensate for dead time of detector and electronics (can be read on display)

**OVERLOAD:** Senses detector saturation (indicated by display reading "-OL-")

**OVERRRANGE:** Indicates radiation field being measured has exceeded counting range of instrument (indicated by display reading "—")

**DATA OUTPUT:** 9 pin connector providing 5 decade logarithmic output, RS-232 output, signal ground connection, FAIL and ALARM signals (current sink), and direct connection to battery and ground, relay outputs available

**CALIBRATION CONTROLS:** Accessible from front of instrument (protective cover provided)

**POWER:** 95 - 135 Vac (178 - 240 Vac available ), 50-60 Hz, 6 volt sealed lead-acid rechargeable battery (built in)

**BATTERY LIFE:** Typically 8 hours in non-alarm condition

**BATTERY CHARGER:** Battery is continuously trickle-charged when instrument is connected to line power and turned on

**CONSTRUCTION:** Steel housing with ivory powder coat paint

**TEMPERATURE RANGE:** 5° F to 122° F (-15° C to 50° C)

**SIZE:** 2' H x 3' W x 1' D (61 x 91.5 x 30.5 cm) chassis size

**WEIGHT:** 125 lbs (57 kg)

