

FALCON

AREA MONITOR

The FALCON series area monitors employ small CsI detectors that deliver high sensitivity in a very small package making them ideal for a wide variety of applications. The FALCON area monitors are available in several configurations to accommodate the enclosure color, detection range, and outdoor usage. Another option is a color LCD display that not only presents the measurement using very large size characters for easy viewing from a distance, but will additionally provide a log history or other details by simply tapping the touch screen display.

All FALCON area monitors are RADConnect enabled to wirelessly connect via a Mesh type network back to a central PC. Up to 50 FALCONS or other RADConnect devices can communicate bi-directionally across the network using 128-bit encryption protection. All devices can be monitored by a PC on the network or across the internet to any tablet or remote PC. The system delivers real-time and past event logs and will annunciate anytime one of the devices exceeds its preset values. All your FALCON readings can be arranged to display on a floor plan, map, satellite image, or other image of your choosing to provide a real-time overview and status over each location.

FEATURES:

- ◆ Sensitive CsI(Na) Detector
- ◆ 1 μ R/hr – 100 mR/hr Range
- ◆ RADConnect Enabled
- ◆ Multiple Configurations
- ◆ Extended Range Available



MODELS:

- ◆ FALCON-1 Standard Configuration – No Display
- ◆ FALCON-1LCD Standard Configuration – With LCD Display
- ◆ FALCON-1EX Extended Range – No Display
- ◆ FALCON-1EXLCD Extended Range – With LCD Display

FALCON SPECIFICATIONS:

DETECTOR(S)	6 cm ³ CsI(Na) SCINTILLATOR WITH PMT EXTENDED RANGE ADDS A PIN PHOTODIODE
SENSITIVITY CsI(Na)	1.93 cps/μR/hr (193 cps/μSv/hr) Cs ¹³⁷
RESPONSE TIME	< 1 SECOND
ENERGY RANGE	50 keV – 3 MeV
DOSE RATE RANGE	1 μR/hr – 100 mR/hr (0.01 μSv/hr – 1 mSv/hr)
EXTENDED RANGE	1 μR/hr – 50 R/hr (0.01 μSv/hr – 500 mSv/hr)
DOSE RATE RESPONSE	± 10% Cs ¹³⁷
ALARMS	AUDIBLE/VISUAL
ALARM VOLUME	> 98 dB at 30 CM
DISPLAY	4.3" COLOR TFT LCD
DISPLAY UNITS	R/hr, Sv/hr, CPS (AUTO-RANGING)
COMMUNICATION	RADConnect, Wi-Fi, ETHERNET
POWER	120/240V AC, 50/60 Hz 110/220 AUTO DETECT
BACKUP BATTERY	LITHIUM-ION
TEMPERATURE RANGE	(-4°F) -20° C TO (140° F) 60°C
HUMIDITY RANGE	5 - 95% NON-CONDENSING
DIMENSIONS	5.97" L x 5.92" W x 1.75" D (15.1 cm x 15cm x 4.45 cm)
WEIGHT	0.65 lbs (0.3 kg)
ENVIRONMENT	IP65 RATED