

# AreaExpert

## Digital Area Radiation Monitor

- Touch screen LCD
- Network compatible
- WEB based controllable
- Easily configurable
- Colourful visual and audio indication



## Technical Specifications

<b>Detector Type</b>	: Geiger Mueller
<b>Display Type</b>	: Color LCD Touch Screen, Block LED indicator on battery operation
<b>Display Units</b>	: $\mu\text{R/hr}$ - $\text{R/hr}$ , $\mu\text{Sv/hr}$ - $\text{Sv/hr}$ , $\mu\text{Gy/hr}$ , $\text{mGy/hr}$ , cpm, cps
<b>Linearity</b>	: Improved counting system which makes the device linearity better than 10%
<b>Sensitivity</b>	: Depends on detector type 1,5 cps/mR/hr for Co60 with LND 71412 detector
<b>Measuring Range</b>	: Depends on detector type 0.1mR/hr to 8R/hr with LND 71412 detector
<b>Response Time</b>	: 1 to 2 s for the 90% of the actual value
<b>Alarm</b>	: Programmable alarm levels
<b>Safe Area ( Green LED)</b>	: Indicates the effective area is safe
<b>Low Alarm (Yellow LED)</b>	: Indicates the low alarm in the effective area
<b>High Alarm (Red LED)</b>	: Indicates the high alarm in the effective area
<b>Battery Life</b>	: 10 hours in no alarm conditions. 5 hours in alarm condition
<b>Battery Indicator</b>	: Low battery indicator on blinking Green LED (max 1h after start of blinking)
<b>Battery Charger</b>	: Trickle charging system which increases battery life
<b>Calibration</b>	: Calibration via touch screen or WEB based remote control
<b>Remote Management</b>	: Ethernet or WEB based remote management
<b>Monitoring</b>	: TCP/IP based network monitoring
<b>Data Output</b>	: Ethernet
<b>High Voltage</b>	: Adjustable from 140 to 1400 V gives ability to use different GM tubes
<b>Power</b>	: 90-260 VAC 50-60 Hz, Battery powered up to 10 hr with no alarm, battery status indication, battery protection system
<b>Temperature Sensor</b>	: Monitoring of ambient temperature in device working ranges
<b>Humidity Sensor</b>	: Monitoring of relative humidity in device working ranges
<b>External Device Switch</b>	: Programmable external device switching on desired radiation level
<b>Working Environment</b>	: 0 to +70C ( sbc restricted ) , 0 to 90%RH