



femto-TECH, INC.
FEMTO LABORATORIES

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Specifications – CRM-510LP, CRM-510LPB, & CRM-510LP/CO

RADIATION DETECTED	Radon-222 Alpha
DETECTOR	Air Ionization Probe
DYNAMIC RANGE.....	1 to 200 pCi/l (37 to 7400 Bq/m ³)
UNIT	pCi/l or Bq/m ³
SENSITIVITY	0.350 CPM per pCi/l
.....	(0.01 CPM per Bq/m ³)
LINEARITY	1 - 200 pCi/l (<10% Deviation)
SAMPLING MODE.....	Passive Air Diffusion
DATA STORAGE	
CRM-510LP/B	192 one-hour data points (8 days)
CRM-510LP/CO	79 one-hour data points (radon),
.....	316 fifteen-minute data points (carbon monoxide)
ENVIRONMENTAL SENSORS:	
TEMPERATURE	Range 50-104 °F, 10-40 °C
.....	Sensitivity ±1 °F, ±0.5 °C
BAROMETRIC PRESSURE	Range 0-38 "Hg, 0-127 kPa
.....	Sensitivity ± 0.2 "Hg, ±0.5 kPa
RELATIVE HUMIDITY	Range 0-90%
.....	Sensitivity ±5%
CARBON MONOXIDE.....	Range 0-200 ppm
.....	Sensitivity ± 10%
DISPLAY:	
ALPHANUMERIC CHARACTERS.....	16-Digit One Line LCD
LOW BATTERY INDICATOR	LCD Message
PULSE INDICATOR	Red LED
CONTROLS:	
KEY SWITCH.....	OFF, I/O & RUN Positions
TWO MOMENTARY PUSH BUTTONS	Multifunction Select & Execute
EXTERNAL OUTPUTS (MALE DB-25P)	
SERIAL	RS-232C
PARALLEL	8 Bit Simplified Centronics®
POWER:	
ELECTROMETER	9-volt battery (1-year nominal life)
ION CHAMBER	27-volt battery pack (2-year nominal life)
COMPUTER/DATA LOGGER	7.2-volt lithium battery pack (1-year nominal life)
CARBON MONOXIDE SENSOR.....	9-volt lithium battery (1-year nominal life)
SIZE:	
HEIGHT (w/Handle).....	5.4" (137 mm)
WIDTH	6.6" (160 mm)
DEPTH	7.4" (190 mm)
WEIGHT	4 Pounds (1.8 Kg)
ENVIRONMENTAL OPERATING RANGE	
.....	50-104 °F (10-40 °C)
.....	10 To 90% RH (noncondensing)