

# Model 215 Alpha Frisker



Ludlum Measurements, Inc.

**INDICATED USE:** Alpha frisking, hand monitor with alarm

**DETECTOR:** Alpha air proportional probe with integrated electronics

**OPERATION:** While sitting in charging/calibration stand, probe may be used as a hand monitor. Red LED, click audio, and a steady-tone alarm audio warn of contamination. Probe may also be picked up from charging stand and used as a frisker for up to 30 minutes before recharge. Maximum recharge time is 20 minutes to full charge, maximum time to operation is 5 minutes.

**DISPLAY:** Red LED - Alpha pulse or continuous on alarm

Amber LED - Trouble

Green LED - OK

**WINDOW:** 0.4 mg/cm<sup>2</sup> aluminized mylar with aluminum screen (79% open).

Can be easily replaced by removal of six screws on back of probe

**WINDOW AREA:**

Active - 139 cm<sup>2</sup>

Open - 110 cm<sup>2</sup>

**EFFICIENCY(4pi geometry):** Typically 10% - <sup>239</sup>Pu

**AUDIO:** 85 dB at 12 inches

**OPERATING VOLTAGE:** Altitude sensitive

Sea level - 1950 volts

2000 feet - 1900 volts

5000 feet - 1825 volts

7000 feet - 1775 volts

**COUNTER THRESHOLD SETTING:** 4 mV

**CALIBRATION DUE DATE:** When exceeded, amber trouble light will illuminate

(real time clock located in charging/calibration stand)

**CONSTRUCTION:** Conductive plastic body with internal sealed electronics

**TEMPERATURE RANGE:** -4° F(-20° C) to 122° F(50° C)

May be certified for operation from -40° F(-40° C) to 150° F(65° C)

**SIZE: Probe:** 9.2" (23.8 cm)H X 3.8" (9.65 cm)W X 1.76" (4.47 cm)D

**Charging/Calibration Stand:** 0.75" (1.9 cm)H X 0.825" (2.10 cm)W X 1.54" (3.9 cm)L

**WEIGHT:** 0.75 lbs. (0.34 kg)

**POWER:** Model 215's internal capacitors provide power for 30 minutes in non-alarming condition.

**ACCESSORIES:**

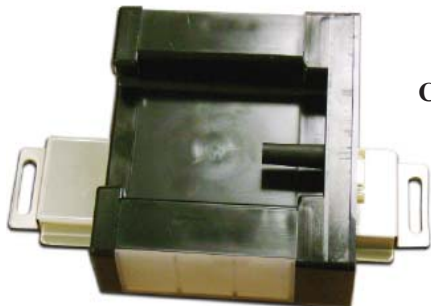
- Model 215-20 Charging/Calibration Stand interfaces with a personal computer and uses infrared communications to set parameters and run automatic plateau routines. The stand's input power is +15V(+12V minimum to +20V maximum) at 100mA maximum. Four charging/calibration stands can be interconnected to run from a single 0.5A wall mount power supply.

- Model 215 Calibration Software (Part No.: 1370-080) available to assist in changing parameters and determining operational settings.



Model 215 Alpha Frisker

Part No.: 48-3531



Model 215-20  
Charging/Calibration  
Stand

Part No.: 48-3567



Model 215 shown  
with Model 215-20  
Charging/Calibration Stand