

Subject: RF80-K Battery Electrolyte Contamination

Ref: TD-661, TD-650 Operator's Manual

Nickel-Cadmium batteries can produce fumes during charging which can be drawn into the RF80-K causing serious damage, leading to reduced performance, complete failure and possibly rendering your equipment beyond economical repair.

Battery electrolyte fumes can enter the RF80-K cooling system through the front air vents, and be drawn across the display, control and driver circuit boards, causing corrosion and permanent damage to the circuit board traces. Additional damage to internal wiring, power components and the chassis, front panel toggle and rotary switches, potentiometers and timers can also lead to serious operational problems and complete unit failure.

The RF80-K Operator's Manual TD-661 and TD-650 include very important placement instructions which should be carefully reviewed when installing and using an RF80-K. This includes the following two important warnings:

Position batteries beside right front of the RF80-K. Locate within easy reach of probes. Do not let battery heat or gasses get drawn back into RF80-K.

Explosive gases: Never operate the charger/analyzer unless the area is well ventilated. Keep battery gases out of charger. Prevent flames and sparks. Provide adequate ventilation during charging.

Make sure you have plenty of free airflow in the battery servicing area, sufficient to remove the gasses produced during charging. Depending on local safety regulations, electrical codes, fire regulations, occupational health and safety requirements and your company policies/regulations, additional ventilation may be required. This may involve installation of a "flow bench" to draw gasses from the batteries and exhaust from the battery shop.

If you have any questions or concerns about your RF80-K installation, please contact us. Thank you for using Christie products.

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