

HOBIT Technical Safety Bulletin No. 1

SUBJECT: Ohmeda Volume Monitor and Battery Operation

Issue Date: 8/16/18



NOTICE:

The Ohmeda Volume Monitors 5410 and 5420 **MUST ONLY BE OPERATED USING THE INTERNAL BATTERY PACKS.** The battery pack is located behind the front battery compartment cover. (Photos last page)

Reason:

When the Ohmeda Monitor (photos last page) is operated using the DC battery pack, the internal power is ramped down to preserve battery power. The previous step is an important safety feature when using the Ohmeda Clip assembly inside of a monoplace chamber. The Sensor Clip assembly (photos last page) has a built-in heat generating resistor that when activated heats up to remove exhaled condensate from the sensor transducer. This feature is good for anesthesia applications, but not good for monoplace applications. When the monitor is powered using the battery pack, this heating resistor is disconnected or deactivated, which is the safe way to use the Sensor Clip assembly inside the monoplace chamber. On battery power (4.8V), the normal operating wattage is 0.0015W with a maximum wattage of $\cong 1.1W$ at ramp up. NFPA 99 (2018) code allows 28V and 4.0W. Ref: NFPA 99 (2018) 14.2.9.6.1.1

The Ohmeda Volume Monitor can also be used inside of a multiplace chamber, but once again, only by using the DC battery pack. If the monitor is being powered via the AC power adapter (photos last page), the batteries will be charging. Battery charging is against NFPA 99 Chapter 14 Code and is not safe for use inside of a multiplace chamber. It is also a recommendation that an inert purge is used for this monitor in multiplace applications.

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Battery Charging:

An external “Smart Charger” has been supplied to each HOBIT monoplace site to charge the Ohmeda Volume Monitor battery packs. Instructions for charging and exercising the batteries have also been supplied. If you do not have these, please contact Bill Gossett. The AC power adapter should never be used nor any attempt to power the monitor through the charging port. **The statement mentioned above is an important safety precaution.**

Recommendation:

We strongly encourage that the **AC power adapter port is sealed closed** so that it is not accidentally used. These ports were initially sealed, but we are aware that this seal or cover has fallen off at one site. Also, a “Warning Label” (see example) should also be placed on your Ohmeda monitor.

NOTE: We will sending warning labels to each site as soon as possible.

WARNING:

ONLY OPERATE OHMEDA WITH BATTERY POWER

Do Not Operate the Ohmeda Monitor with the AC Power Adapter.
Batteries need to be charged separately with a separate battery
charger that will accommodate these batteries.

(Ref: HOBIT Trial TSB No. 1)

Please contact me with any concerns or questions.

Thank you,

Bill Gossett CHT, RRT

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