



TECHNICAL NOTE

DATE
09-18-00

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4418-00

SUBJECT: PREMIER 3000 and MAX 4000 Electrometer Battery

The following information is provided as a service to our users and customers:

The Standard Imaging PREMIER 3000 and MAX 4000 electrometers incorporate an internal lead acid battery. This battery is continuously charged, via a low current trickle charge circuit, when the electrometer is connected to the external power supply.

If the electrometer is put into prolonged storage without a charged battery, or if it has been left on for an extended period of time while not connected to an external power supply, the battery could discharge beyond the charging circuits ability to efficiently or adequately restore the battery to an operational condition. If this should occur, the useful life of the battery may be adversely affected.

This issue is common to many battery driven products and is directly related to lead acid battery technology and charging limitations.

To address this issue, Standard Imaging recommends that prior to prolonged storage, ensure the electrometer is turned off and that the battery has received a full charge. Additionally, after any prolonged storage of the electrometer, and prior to use, the battery should receive a full charge. To fully charge the battery, connect the electrometer to the battery charger for 8 to 12 hours.

For additional information on battery charging and operation, refer to the Instruction Manual for your specific electrometer.

If there are any questions or comments regarding this information, please contact Standard Imaging or your authorized dealer.

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