



TECHNICAL NOTE

DATE
19-07-19

PAGE
page 1 of 1

NUMBER
4418-04

MARKETS

SUBJECT: Battery Life and care for the CDX2000B, MAX 4000 Plus
Electrometers, and the QA BeamChecker Plus

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

The Standard Imaging CDX2000B, MAX 4000 Plus electrometers and the QA BeamChecker Plus incorporate an internal lead acid battery. This battery is continuously charged, via a low current trickle charge circuit, when the product is connected to the external power supply. The product also incorporates a protection circuit designed to disconnect the load from the battery at a predetermined level of battery discharge.

If the product 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 battery charge life and/or useful life of the battery may have been adversely affected, and the battery may need to be replaced.

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

To prolong battery charge life and, ultimately battery life, Standard Imaging recommends the following:

- If possible, when not in use, keep the product connected to the battery charger. This will not adversely affect the product, battery or battery charger. If not possible, then:
 - Prior to prolonged storage, ensure the product is turned off and that the battery has received a full charge.
 - After any prolonged storage of the product, and prior to use, the battery should receive a full charge. To fully charge the battery, connect the product 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 product.

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