



Protection Through Detection
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Notification of Component or Accessory Change

New Ni-MH Battery Pack to Replace the Li-Ion Battery Pack in MultiRAE Plus and QRAE with UL Certification Only

Summary of the Change:

Due to the limited availability of the Li-ion battery installed in newly-manufactured MultiRAE Plus (model: PGM-50-5P with UL certification only) and QRAE (model: PGM-50-4P with UL certification only) instruments and of the same battery sold as a replacement battery for such instruments currently deployed in the field, the Li-ion battery (PN: 500-0037-100) will be phased out (no longer offered) and the new Ni-MH battery pack (PN: 500-0059-000-FRU) phased in as of the date specified in the "Effective Date of Change" section below.

Nature of the Change:

New Instruments

Starting on the date specified in the "Effective Date of Change" section below, the MultiRAE Plus and QRAE monitors (with UL certification only) ordered with a rechargeable battery pack, will be shipping from the factory with a Ni-MH rechargeable battery instead of the Li-ion battery that was supplied with such instruments prior to that date.

Instruments Currently Deployed in the Field

For MultiRAE Plus and QRAE instruments (with UL certification only) currently deployed in the field, starting on the "Effective Date of Change" specified below, the Ni-MH battery pack (PN: 500-0059-000-FRU) will be the only one available as a replacement rechargeable battery. The Li-ion battery pack (PN: 500-0037-100) that was available earlier will no longer be offered.

WARNING: Before a replacement Ni-MH battery can be installed in an instrument that previously ran on a Li-ion battery, the instrument firmware **MUST** be upgraded to firmware **version 3.30** or later. Such firmware can be downloaded from:
<http://www.raesystems.com/downloads/firmware-upgrades>.



"New" Battery vs. "Old" Battery

The new Ni-MH battery pack (PN: 500-0059-000-FRU) has similar performance characteristics as the Li-ion battery pack (PN: 500-0037-100), as illustrated in the table below. The differences pertain to the periodic deep discharge requirement to ensure optimal performance of the Ni-MH battery and the fact that the Ni-MH battery is not ATEX-certified, so it cannot not be included with ATEX instrument configurations (for ATEX configurations only, the old Li-ion battery will continue to be offered):

Battery Characteristic	<u>NEW</u> Battery Pack: Ni-MH (PN: 500-0059-000-FRU)	<u>OLD</u> Battery Pack: Li-ion (PN: 500-0037-100)
Runtime	9-12 hours	12 hours
Recharge Time	10 hours (12V DC)	10 hours (12V DC)
Deep discharge option	Yes	No (not required)
Warranty	1 year	1 year
UL Certification	Yes	Yes
ATEX Certification	No	Yes

Affected RAE Systems Instruments:

- MultiRAE Plus (PGM-50) with UL certification only
- QRAE (PGM-50-4P) with UL certification only

The change DOES NOT affect MultiRAE Plus and QRAE Plus instruments with ATEX certification.

WARNING: The new Ni-MH battery (PN: 500-0059-000-FRU) is not ATEX-certified, so it cannot be used in ATEX configurations / with ATEX-certified instruments.

Effective Date of Change:

North America

The change in North America will be effective on October 1, 2011. All new MultiRAE Plus (serial numbers 095-532700 and higher) and QRAE instruments shipped with a rechargeable battery on that date or later will have a Ni-MH battery installed in them instead of a Li-ion one.

Any and all replacement rechargeable batteries for the affected instruments shipped on that date or later will be Ni-MH instead of Li-ion.

Rest of the World

The effective date of change for other countries that use MultiRAE Plus and QRAE products with UL certification will be communicated separately. Countries that use MultiRAE Plus and QRAE products with ATEX certification will not be affected by this change.



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Contacts

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