

NEW

Product Bulletin: NiMH Battery

NiMH Batteries Now Available for GilAir-3 & 5

The rugged and reliable Gilian GilAir-3 & GilAir-5 air sampling pumps are now available with nickel metal hydride (NiMH) batteries:

- No more lazy battery or battery memory problems
- Environmentally friendly
- Backward compatible

Nickel-cadmium (NiCad) batteries have been the standard power source to industrial hygiene instruments from personal monitoring pumps to multi-gas monitors for many years. They are lightweight, reusable but carry significant disadvantages such as memory problems and the “lazy battery” issue. NiMH batteries overcome these issues.

Memory Effect: A big advantage to the NiMH technology is the virtual elimination of the memory effect and the *lazy battery* issues. This is ideal for personal monitoring pumps, vastly reducing the potential of lost samples due to battery failure. Cycling the batteries between field tests is no longer necessary saving time, effort and the cost of battery maintenance systems.

Run Time: Given the same physical size battery, a NiMH battery has higher capacity than a NiCad and in most cases will produce a longer run time.

Environmentally Friendly: NiCad batteries contain cadmium, which is a regulated substance under the government agencies worldwide, and cannot be disposed in landfills. NiMH batteries are environmentally friendly and do not pose a risk to the environment when being disposed.

General Performance: NiMH batteries have a life span of approximately 500 charge cycles, and only lose about 1% of their charge per day when stored off the charger. They produce a flat discharge curve necessary for consistent instrument performance.



Upgrading your GilAir-3 or GilAir-5 to the new NiMH batteries requires no pump changes; simply exchange the battery pack.

- Step 1:** Remove two lower screws on the back-side of the pump.
- Step 2:** Remove old NiCad battery and replace with new NiMH battery.
- Step 3:** Dispose of your old battery.

Contact Sensidyne or your local distributor for more information on upgrading your GilAir-3 & GilAir-5 models today...