



## Product Information

Dry & Store® is an electrical appliance for nightly use at home to store and care for all types of hearing instruments, including hearing aids, cochlear implant hardware, noise/tinnitus maskers, and ear monitors. It combines the three essential elements needed for effective drying: heat, moving air, and a desiccant that drives the relative humidity really low, then captures the moisture that is released. During the first ninety seconds of the Dry & Store Global II cycle, a germicidal lamp sanitizes the hearing instruments, after which conditioning continues for 8 hours. The unit then automatically shuts off, continuing to store the instruments safely until they are needed.



### Physical Properties

- **Weight:** 1 lb., 3 oz. (5 kg)
- **Unit size:** 7.2" wide x 4.9" deep x 3.3" high (18.3 cm x 12.4 cm x 8.4 cm)
- **Drying Compartment:** (Single tray) 3.9" x 2.9" x 1" (9.9 cm x 7.4 cm x 2.5 cm)

Positive-latching hinged lid with a drying compartment that will accommodate all types of hearing aids, including many body worn aids. Dry & Store Global II can also be used with cochlear implant microphones, headpieces, and speech processors (both ear-level and body-worn).

### Electrical Characteristics

The unit timer resets itself each time the lid is opened, so that short-term conditioning is possible.

- **Input Power:** 100-240 volts AC, 50/60 Hz, 1.0A maximum.
- **Output:** 24 VDC at 15W maximum.

The default AC Adapter has a US/Japan plug, but Schuko (European), UK, Australian, or South American plugs are available. Power supplies are interchangeable with all models (except the Professional model) and are CE Marked. They are certified to ETL, UL, and CSA standards, and carry GS (Germany), PSE/JET (Japan), C-Tick (Australia/New Zealand), Korean (KC), and SABS (South Africa) certifications.

Will also work with an inverter for 12V service.

Your Dry & Store Global II can be used anywhere in the world—no voltage converter is necessary. All that's needed is the appropriate plug adapter, or you can travel "adapter-free" by ordering individual power supplies with native plugs. Choose from US, UK, European, Australian, or South African plugs.

### Operating Features

**Conditioning Cycle:** Dry & Store has an operating cycle of eight hours. It conditions at an average temperature of 96.8-104° F (36-40° C) and a relative humidity of 19-25%, based on indoor ambient temperatures from 65 to 86° F (18-30° C). The germicidal lamp (see "Germicidal Properties" at right) illuminates for the first ninety seconds then turns off automatically.

**Air circulating fan:** Ball-bearing fan continuously circulates warm, dry air for the entire operating cycle, causing moisture to move out of the hearing instruments by diffusion.

### Desiccant

Ships with either the disposable Dry-Brik® II desiccant or an oven-rechargeable metal dry can, depending on location. Both types of desiccants are available as accessories, and Dry & Store Global II operates well with either, though a can-type does not provide the deodorizing function that the Dry-Brik provides.

The custom desiccant contains an aggressive sorbent (mol sieve), packaged in an attractive, molded, disposable container. Each Dry-Brik has a shelf-life of at least one year, unopened. Once the foil label is removed, the Dry-Brik II lasts two (2) months. Replacement desiccants are inexpensive and are available from Dry & Store distributors. The desiccant also absorbs odors as it dries.

### Germicidal Properties

The Dry & Store germicidal lamp is a short wave low pressure mercury vapor tube that produces ultraviolet (UV) wavelengths that are lethal to micro-organisms. During its one-and-a-half minute cycle, just 90 seconds, the lamp will generate enough germicidal energy to yield a 99% kill on common bacteria found in the external ear canal.

- 4 watts UV-C @ 254nm in the Global II model produces over 1,000 joules/m<sup>2</sup> of UV energy.
- For comparison purposes, a 90% kill on pseudomonas aeruginosa bacteria requires only 55 j/m<sup>2</sup>.

Elimination of this flora from hearing aids can significantly reduce itching and the reintroduction of infection-causing bacteria into the ear canal. To the user, this means less itching and irritation, and fewer recurring infections of the external ear canal.

Note: The UV-C lamp is a surface sanitizer only, and it has little to no penetrating power. This means that it is not damaging to plastics or earmolds. (Germicidal lamps are not to be confused with sunlamps or blacklight lamps, for while those are also ultraviolet lamps, the UV produced by a sunlamp or blacklight is of longer wavelength and is not useful for germicidal applications.)

### Battery Removal

Batteries do not have to be removed from hearing aids before Dry & Store use. Independent tests by Eveready Battery Co. on their Energizer/Amplifier® batteries showed a 10-20% gain in battery life under high (85% RH) humidity conditions, and no decrease in life at normal (50% RH) conditions. This was confirmed by a user survey which showed that over 50% of users experienced longer battery life.

### Safety & Regulatory

Certified to UL & CSA standards. CE marked.

### Warranty

One year in USA and Canada. Proof of purchase required. Outside of North America, refer to warranty terms provided by distributor.