



FARADAY



Description

The appropriate protection allows visitors to play with the Tesla coils lightning flashes. The protective Faraday equipment enables people to interact directly with



the lightning flashes without putting themselves at risk. A highlight for every visitor! Additional props may be used, such as a fluorescent tube, neon lettering, a neon sign, or similar.

There are generally two options for such protection:

- a suit worn directly on a person's body
- a cage-like device which can fit several people

If a person in a suit stands on a stunt table, they can pass on the sparks to another person in a suit or to another object (e.g. the Faraday cage) with almost no loss of energy. Volunteers from the audience may wear the suit and play directly with the lightning or, when protected by the cage, be part of the demonstration. There are various possibilities for interactions either between the demonstrator and the coil, or between demonstrator, coil and audience members.

As a complement to the Tesla coil – and with added “wow” effect – the opportunity should be provided for operating personnel and/or visitors to “play” with the lightning flashes. A highlight for every visitor! With protective Faraday equipment, people can interact directly with the lightning flashes without putting themselves at risk. Additional props may be used, such as a fluorescent tube, neon lettering, a neon sign, or similar. In general, there are two protection options. A suit worn directly on the person's body or a cage-like device, which can accommodate several people. If the person in the suit stands on a stunt table, he or she can pass on the sparks to another person in a suit or to another object (e.g. the Faraday cage) with almost no loss of energy. Volunteers from the audience may wear the suit and play directly with the lightning or, when protected by the cage, be part of the demonstration. Here, various possibilities for interaction present themselves – either between the demonstrator and the coil, or between demonstrator, coil and audience members.

Basic set-up and procedure

The cage

A fixed cage can be part of the set and thus be installed during initial set-up. Similarly, scenarios are possible, in which a smaller or netlike cage can be lowered by stage machinery or rolled onto the stage during the show.

The suit

We have specifically designed a Faraday suit that is suitable for use on stage. It is composed of three parts, which can be put on during prep or one-by-one during the show. This keeps the time needed to don the suit to a minimum. However, for safety reasons, the fit of the suit must be checked before interaction with a high-voltage



EFFEKT
SCHMIEDE



exhibit. Faraday cages, tunnels and the like are widely known and in use in various forms. The proposed netlike or mesh structure has not been used until now.