

5B20.30 - FARADAY'S CAGE - ELECTROSCOPE

Key words: electricity, electric field, faraday's cage, electroscope

Equipment List:

1. Faraday's cage
2. Electroscope
3. Device for charging the electroscope

How to assemble and operate:

- Charge the electroscope outside Faraday's cage, to show students that it works.
- Discharge the electroscope and place it in Faraday's cage.
- Attempt to charge the electroscope again while it is inside the faraday's cage, which will not have any effect on the electroscope, to show that the electroscope is isolated.
- One can also try to charge the electroscope and place it inside the faraday's cage to observe what happens.

Description/Theory:

With this demonstration we can better visualize how the faraday's cage works and why it works.

Comments/Notes: