

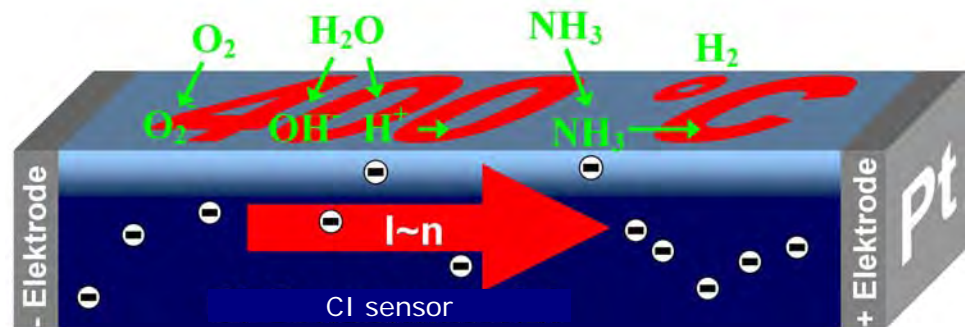


ARTICLE

Detection principle Charge Carrier Injection (CI)

The CI-sensor consists of special gas sensitive material that has the ability to bound ammonia to itself. By absorbing NH_3 molecules the "Charge Carriers" of the ammonia is injected into the new sensor material (Injection).

With special micro structured electrodes the ammonia concentration can be defined exactly. Disadvantages of the semiconductor and electrochemical sensors are excluded.



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