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(57) Abstract :

An apparatus to evaluate a gas sensor is disclosed. According to an embodiment the apparatus can include a housing. The housing includes: a platform configured to hold the gas sensor; one or more inlets to allow inflow of one or more gases, wherein the gas sensor interacts with the one or more gases to produce a detectable change in the gas sensor configuration; and at least two probes electrically coupled to the gas sensor, said at least two probes operatively coupled to one or more processors of a control unit, the control unit configured to: receive a first signal from the gas sensor before the gas sensor interacts with the one or more gases; and receive a second signal from the gas sensor after the gas sensor interacts with the one or more gases, wherein comparison of response of the gas sensor to a predetermined response of a reference gas sensor enables evaluation of efficiency of the gas sensor.

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