ABSTRACT

A detector testing system for testing a gas detector used in a heating, ventilation, and air conditioning, or refrigeration (HVAC/R) system including: a testing chamber configured to receive the gas detector through an orifice in the detector testing system, the testing chamber being configured to at least partially enclose the gas detector within the testing chamber; a receiving port fluidly connected to the testing chamber; and a target gas cartridge fluidly connected to the receiving port, wherein the target gas cartridge contains a known concentration of a target gas, wherein the receiving port is configured to deliver the target gas to the testing chamber