ABSTRACT

A photoionization detecting device with dehumidifying function includes a photoionization detector and a dehumidifier. The photoionization detector has a gas inlet. The dehumidifier includes an outer housing, a dehumidifying tubing, and a humidity absorbent. An interior of the outer housing has a receiving room. The outer housing includes an inlet, an outlet, and a drain valve structure. The outlet is connected to the gas inlet of the photoionization detector, and the dehumidifying tubing is configured at a lowest position of the outer housing. The dehumidifying tubing is received in the receiving room and connected between the inlet and the outlet of the inside of the outer housing. The humidity absorbent is received in the receiving room and located between the dehumidifying tubing and the drain valve structure. (Please refer to Figure 3 attached with Abstract.)