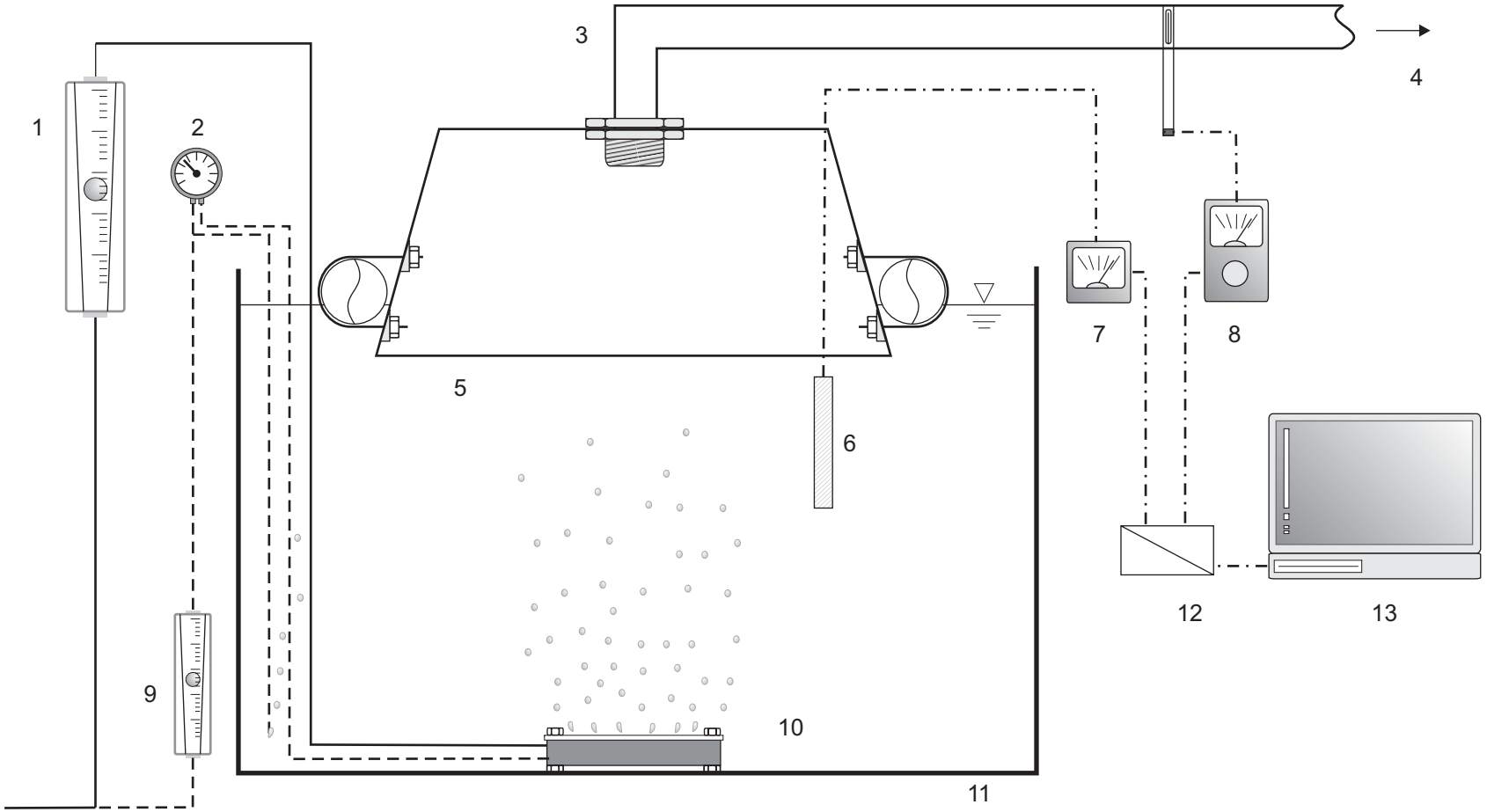

Side view of a clean water test employing a modular hood connected with a CPU for dissolved oxygen (DO) and air flow rate (AFR) measurement. On the side of the hood are anchored two sealed hollow pipes that can be either sealed empty (i.e., acting as floats) or filled with weights (i.e., acting as ballast), depending on the air flow rate. The off-gas is released through the flow pipe (3) at the outlet port (4) and is analyzed in a off-gas analyzer for oxygen and greenhouse gases (analyzer not shown in this figure). Key: 1) main air flow meter; 2) differential pressure gauge for dynamic wet pressure measurements; 3) off-gas hose; 4) off-gas outgoing port (to the off-gas analyzer); 5) floating off-gas modular hood(s); 6) dissolved oxygen (DO) probe; 7) DO meter; 8) air velocity meter; 9) secondary air flow meter for pressure reference line; 10) air diffuser; 11) aeration tank; 12) digital/analog converter; 13) CPU