Experiment for operational confirmation of on-site ventilation measurement system for multi-chamber buildings

Measuring device for CO2 Multi-chamber Airflow rates Control/measurement/recording PC concentration and temperature/humidity measurement system (e) CO2 cylinder and mass flow control box Indoor air stirring fan Prototyped by support from Grants-in-Aid for Scientific Research 5.0 14 Gas supply to the living room and 3LDK, 4th floor, Apartment complex in Yokohama: Floor area 66m², interior volume 138m³ gas concentration changes 12 4.0 Gas supply is CO2 conc. $[\times 10^3 \text{ppm}]$ System sinusoidal CO2 supply [L/min] Identification 15 minute supply model has 3.0 seven rooms 8 2.0 1.0 2 Measurement date and time is April 22, 2019, from 11:30 to 16:45 Outdoor conc. 0.0 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30

Measurement period is approximately 5 hours