



Energy Performance Measurement Equipment for Variable Refrigerant Flow Air-Conditioning Systems

Makers of Variable Refrigerant Flow (VRF) air-conditioning systems face an uphill battle with consumers because chilled water systems are reputed to be more efficient. As an **Energy Performance Measurement Equipment for Variable Refrigerant Flow Air-conditioning Systems** on site did not exist previously, EWTCOI researchers looked into the issue.

By working in collaboration with two large players in this industry, *Daikin Airconditioning (Singapore) Pte Ltd* and *Mitsubishi Electric Asia Pte Ltd*, and local authority, *Building and Construction Authority (BCA)*, we have produced an onsite measuring & verifying (M&V) equipment and proprietary protocol to determine the energy efficiency of a VRF air-conditioning system.

EWTCOI can help you to develop green and efficient solutions to your business issues.

Key Features & Benefits

- Real-time calculation of cooling capacity
- Real-time calculation of Coefficient of Performance (COP)
- Data output to computer for storage through an internet platform
- Running and maintaining air-conditioning systems in the best performing conditions

Applications

- A tool for setting requirements on Minimum Energy Performance (MEP)
- Instant site measurement of VRF air-conditioning system performance



Collaborators:

