

Trouble-Shooting

Cooling Systems



Engineers use ACR temperature dataloggers to monitor cooling coil performance and trouble-shoot air-conditioning systems. The high temperature and high humidity in tropical and sub tropical regions put stress on air conditioning systems and cause high condensation in ductwork. In a Canadian government ministry building located in New Delhi, India, water condensation was so bad that it damaged the newly finished ceiling. Desperate to identify the source of the problem, HVAC consultants rushed in, a shipment of portable data loggers. Special pipe mounted temperature probes were attached to the cooling coil supply and at discharge locations. A temperature profile was created, data analysed and corrective measures implemented. One of the greatest advantages of a data logger is that it can measure HVAC performance over a period of time. "Spot-checks" do not readily reveal the problems. Nuisance problems typically occur at the least expected times. Data loggers provide a "24-hr mechanic", that monitors system performance.

Another data-logging solution from ACR Systems.

Recommended Loggers: SmartReader Plus 2, SmartReader Plus 8