

**Controlling condensation at SIRIM-National Metrology Lab, Malaysia :** The crux of the problem at SIRIM-National Metrology Lab, Malaysia was condensation of water vapour. Condensation causes corrosion and micr-corrosion which in turn leads to inaccurate observations in many critical experiments. Condensation is a common problem that occurs due to temperature differential ie when water vapour condenses on any surface cooler than the dewpoint of the surrounding air.

A sudden rise in temperature of air in the instrumentation room, typically on account of a power cut/breakdown at the time of start up and even on shut down of airconditioning equipment result in condensation of water vapour on the cold surface of the instruments, leading to problems of reduced life cycle, inaccurate reading, corrosion etc. The end result is increased costs of maintenance and replacement.



To counter the problem of condensation, Bry-Air Dehumidifiers were installed at the SIRIM, National Metrology Lab, Malaysia.

SIRIM-National Metrology Lab is Malaysia's National custodian of weights and measures. SIRIM offers measurement and calibration services to cover the needs of almost every industry. In addition, it also primarily responsible for technical advisory services for industrial calibration and proficiency as well as training.

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