Dew Point Sensors â€“ Equipped in a Production Facility, Avoids Sweat in Equipments!

by CS Instruments

Article published on March 17th 2012 | Business

Dew is something that decides the fate of not only the electrical equipments but also for the humans. These dew point sensors are everywhere, in a digital camera to a weather forecasting system. Since this system is so much important nowadays, the print media and internet world consistently write about it. Below are the extracts of an interview with a dew point sensor engineer -

Interviewer: Can you enlighten us with the whole concept of dew point for non-scientific listeners?

Engineer: Certainly, our day-to-day life is much influenced by this dew point system. Dew point helps them to understand the mood of nature and provides them a substantial ground for making an alert.

Interviewer: What is the science that works behind this whole system?

Engineer: In scientific terms, the temperature at which moisture in the air starts to reduce is â€˜dew pointâ€™ and dew point sensors are specially designed meters with sensors to measure any change in the temperature or humidity and indicate to take necessary steps to deter the dew point.

Interviewer: Why are these sensors required in facilities that are engaged in the production and manufacturing of goods?

Engineer: No matter, whether it is a Boeing 747, a Pharmaceutical company or the iPad you love the most, moisture can spoil anything it gets into. Therefore, to avoid losses caused by the moisture content, equipment with sensory system to gauge the dew point becomes essential. If these dew point sensors are not there, it will be hard to determine the point that could disrupt the whole process. If it is a pharmaceutical company or a food production house, unchecked level of dew point can spoil finished products and can cause equipment failure.

Interviewer: To expand this discussion, can you please brief about the available technologies that are currently being used to check this dew point?

Engineer: Well, there are many, and not exaggerated them all, I would like to mention few of them:

Chilled Mirrors also known as Condensation Hygrometers; Expensive ones

Aluminium Oxide sensors and silicon ones share the same attributes; Economical as compared to chilled mirrors

The next are thin film polymer ones; cheaper and perfectly okay for long term stability

Interviewer: What important things that one should not miss while selecting dew point sensors?

Engineer: A Million dollar question, there are many things that one cannot afford overlook before buying a dew point sensor system:

Pressure Range

Temperature Range

Portability issue

Display preferences

Article Source:
http://www.articleside.com/business-articles/dew-point-sensors-equipped-in-a-production-facility-avoids-sweat-in-equipments.htm - Article Side

CS Instruments - About Author:
Interviewer: From where one may get detailed information about the functioning, features, usability, installation, repairs and ordering of a dew point sensors.

Engineer: Try out http://www.cs-instruments.com.

Article Keywords:
dew point sensors

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!