**Extech takes indoor air quality monitoring to next level**

Extech’s new 42280A series temperature and humidity data logger features a number of notable enhancements over the company’s highly successful legacy model to ensure even higher performance and capability levels in indoor environmental monitoring applications. This latest-generation highly accurate and reliable meter will serve as an invaluable asset at any company looking to monitor the air quality of their production area, for example.

A direct replacement for the popular 42280 series, the new 42280A features the same large, triple LCD display showing temperature, humidity and date/time clock simultaneously. However, continuous improvement is embedded within Extech’s DNA, so the company’s newly developed model introduces a number of added-value functions, including the capability to generate PDF reports or Excel spreadsheets when plugging the device (via integral USB interface) into a Windows-based PC after data logging.

A further important enhancement is an increase in internal memory to 48,000 points/readings, three times more than the previous model, to suit demands for extended monitoring or monitoring at high frequency rates. The Extech 42280A also sees the introduction of a Max/Min mode and the presence of Hi/Lo indication on-screen. Here, the programmable/selectable data sampling rate ensures visual and audible alarm indication in association with Hi/Lo limits.

Adaptable to almost any situation, further features of the new Extech 42280A include a ‘mark’ function that enables users to read out the memory contents starting from a defined time without reprogramming the log. As a point of note, data remains secure within the logger at all times and can be password-protected if required.

Extech is also releasing its new 42280A-NIST version. This model features calibration traceable to NIST standards for indoor environments where it is necessary to demonstrate accurate and reliable measurements, supported by calibration reports that users can download to a PC.

Critical components of any indoor environmental monitoring system, both the 42280A and 42280A-NIST meters offer a temperature range from -20 to +70°C and a humidity range from 0 to 100%. The devices measure just 120.7 x 88.9 x 38.1mm and weigh only 163g. Users can choose from wall, desktop or tripod mounts in line with individual requirements. Salt bottles for relative humidity calibration are available in kit form (33% and 75%) as optional accessories.

Extech supplies the 42280A and 42280A-NIST complete with Windows compatible software, USB cable, universal AC adaptor, four AA batteries, user guide and two-year warranty for complete peace-of-mind. The meters are shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

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