Log CO2 with High Precision Temperature, Humidity Readings

The NEW Data Logger TR-76Ui-H from TandD Corp. is a three-channel recorder designed to simultaneously measure and record CO2 concentration, temperature and humidity.

This NEW model achieves a temperature measurement accuracy of ±0.3°C between 10° and 40°C. The accuracy is ±0.5°C at all other temperatures. The overall range is -30° to 80°C.

Automatic atmospheric pressure adjustment for the measurement location ensures more stable and accurate CO2 measurements.

The unit has a CO2 range up to 9,999 ppm with accuracy of ±(50 ppm + 5% of reading) (at 5,000 ppm or less).

Humidity measurements range from 0 to 99% with accuracy of ±2.5%RH (at 25°C, 10 to 85%RH) ±4.0%RH (at 25°C, 0 to 10% or 85 to 99%RH). At temperatures other than 25°C and ≥ 0°C, add ±0.1%RH per degree of difference from 25. Humidity Hysteresis: ±1.5%RH or lower.

The TR-76Ui-H has a capacity to store up to 8,000 data sets and is supplied with software which enables the user to download recorded data to a PC via USB connection, whereby data from all three channels can be simultaneously viewed in graph or table form.

By using a handheld Data Collector TR-57DCi (sold separately) with graphical display, it is possible to collect recorded data from the TR-76Ui-H via infrared

communication and immediately check the collected data on the spot.

For monitoring in locations where electrical outlets are not available, this unit can also measure and record when operating under battery power. The product is an all-in-one package that includes the data logger unit, sensors, USB cable, batteries and software.

TandD Corporation
518-669-9227; www.tandd.com [1]

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Links:
[1] http://www.tandd.com