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A new combination instrument for climate control saves energy and money

The Swedish R&D and production company Telaire Europe AB, focused on smart gas sensors and ventilation control, has developed a combination instrument for IAQ and climate control.

The combination instrument is useful in all kind of premises where people spend time, for example shopping centres, office premises, public baths and other sporting establishments. The instrument is also very suitable in archives where a regular humidity is demanded. In animal stables where there has been a problem finding instruments that tolerate the high ammonia concentration this combination instrument is also very suitable.

Considerable installation- and maintenance costs can be recovered through the use and installation of just one sensor. The controller set points can automatically adjust to the outdoor conditions, i.e. *a seasonal demand controlled ventilation* can be programmed.

With the built in, flexible controller functions the combination sensor measures and controls humidity, temperature, CO₂ (carbon dioxide). It controls the use of the, for the moment, most energy saving temperature and ventilation regulation and takes notice of the number of people in the room.

Analogue outputs 0-10V as well as serial interface (RS232, RS485, Lon Works) can be connected and the applicability will be almost unlimited.