

Press release October 2003

SenseAir AB in Sweden introduces ϵ SENSE[®], a new simple, low cost - but still high quality - carbon dioxide transmitter. ϵ SENSE[®] is intended for installation in the climate zone or in the ventilation duct.

ϵ SENSE[®] measures the carbon dioxide concentration in the ambient air up to 2 000 ppm and transforms the data into an analogue 0/2-10 V output signal.

ϵ SENSE[®] is an extremely cost-optimized sensor solution for climate control of buildings and other processes where measured carbon dioxide values in voltage format are requested.

By controlling the ventilation based on actual demand, it helps you decrease your energy consumption and yet have a healthy indoor climate!

The three different housing options makes the ϵ SENSE[®] available to almost any application or environment.

ϵ SENSE[®] -Tr is prepared for quick mounting of a complementary passive temperature element, which can easily be done by the customer.



- measurement range: 0 - 2 000 ppm CO₂
- two analogue outputs
OUT1: 0 - 10 V (= 0 - 2 000 ppm CO₂)
OUT2: 2 - 10 V (= 0 - 2 000 ppm CO₂) with error status indication 1V
- internal automatic self-diagnostics.
- maintenance-free in normal applications
- cost-optimized for connection to DDC:s
- prepared for complementary passive temperature element (model -Tr).
- RS485 / ModBus net work communication as option
- three different housing options:
 - 1) IP30 WALL housing (with / without display)
 - 2) IP65 DUCT housing (with / without display)
 - 3) IP50 INDUSTRIAL "all-round" housing (for both wall and duct applications)



IP30 WALL housing



IP65 DUCT housing



IP50 INDUSTRIAL "all-round" housing