

CONTROLLED VENTILATION OF LIVING AREAS



Controlled ventilation of living areas is a prerequisite for efficient reduction of energy consumption in low-energy and passive houses. In addition to reduced energy costs due to reclamation of heat, controlled ventilation of living areas also ensures good air in the building.

The prerequisite for a ventilation system with the required energy savings and a good living climate is the use of reliable measurement technology for humidity, temperature and CO₂. The EE80 measurement transducer combines all three measurement values in a modern, elegantly designed housing and sets new standards for HVAC technology. It monitors the CO₂ in the room air and controls the ventilation according to the set CO₂ threshold.

CO₂ control

Control of the CO₂ content enables the greatest possible energy savings, as rooms are only ventilated as required. This guarantees a healthy room environment and ensures a high level of living



CO₂ and humidity control for high levels of living comfort

comfort.

Humidity control

Control of air humidity is also advisable. Adequate extraction of moisture prevents the occurrence of mites and mould and protects the fabric of the building from expensive structural damage. Humidity measurement can be retrofitted to the EE80 at any time by means of a plug-in module.

If you cannot find a suitable measuring device for your application even among our wide range of products, E+E Elektronik can also provide customised solutions. Our sensor specialists will be glad to advise you.

• Application conditions

Measurement range:	0...5000 ppm / 10...90% rel. hum. / -20...60°C
Output:	4 – 20 mA / 0 - 10 V or switch output
Conditions of use:	Measurement of CO ₂ , humidity and temperature in homes and office buildings

• E+E Product



EE80-2CTF3

CO₂ / relative humidity / temperature transducer and switch for room installation

CO₂ Measuring device for the HVAC sector. Elegant indoor housing for interior living spaces. CO₂ temperature and humidity in a single device.