Multisensor Board

Product code: Multisensor Board
Manufacturer: Tecnosens SpA

Multisensor board, designed and produced by Tecnosens S.p.A., for the detection of environmental parameters (temperature, humidity and barometric pressure) and up to six gases at the same time

The Multisensor is composed of a Main Board that communicates with Smart AFEs (Analogue Front End).

The AFEs manage the conditioning and communication with the gas sensors which can be:

- Electrochemical cells;
- Infrared sensors;
- Semiconductor sensor (TGS-26xx)
- MEMS sensor for VOC

The Multisensor is able to interface with the outside world through different physical buses:

- USB
- Raspberry (UART)
- RS485

The communication of all buses is based on the Modbus protocol.
Tecnosens has developed and provides documentation and libraries to facilitate the integration of the Multisensor in various fields, from environmental monitoring to laboratory analysis, from ventilation management to farm livestock monitoring.