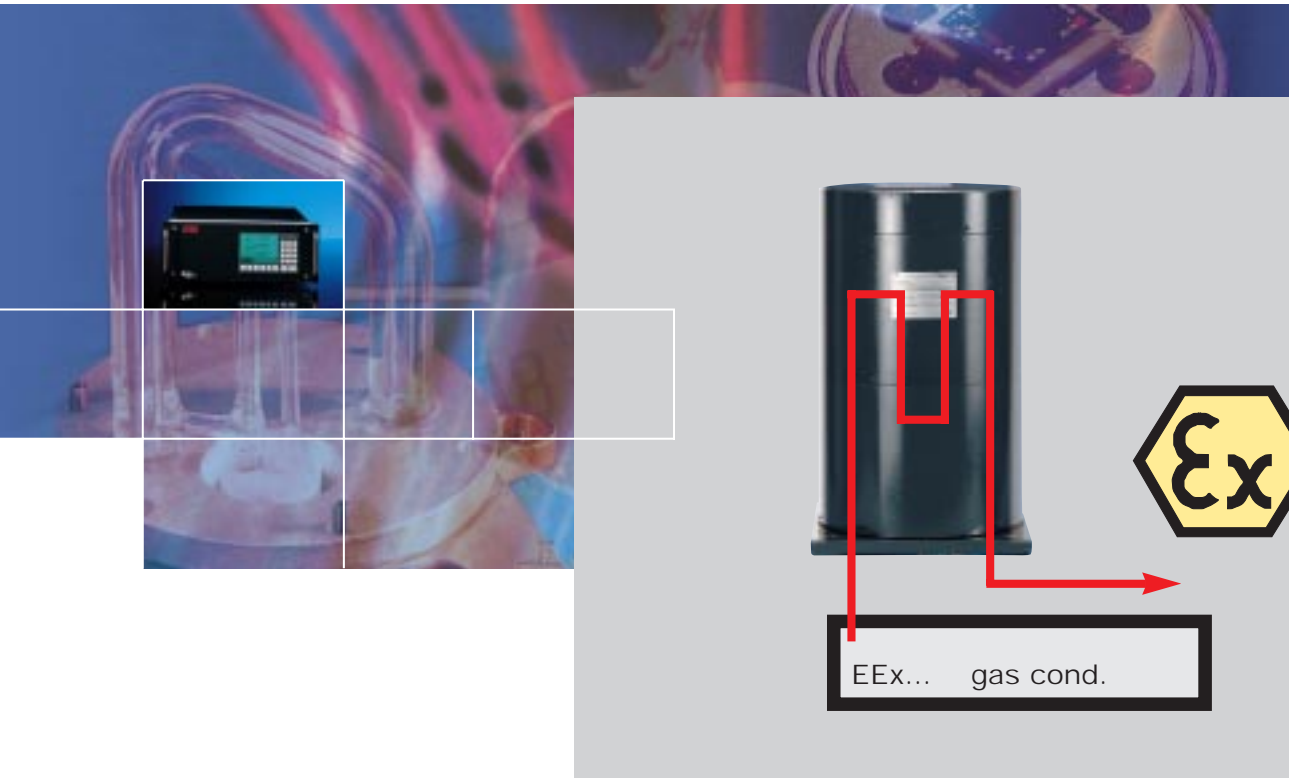


Advance Optima

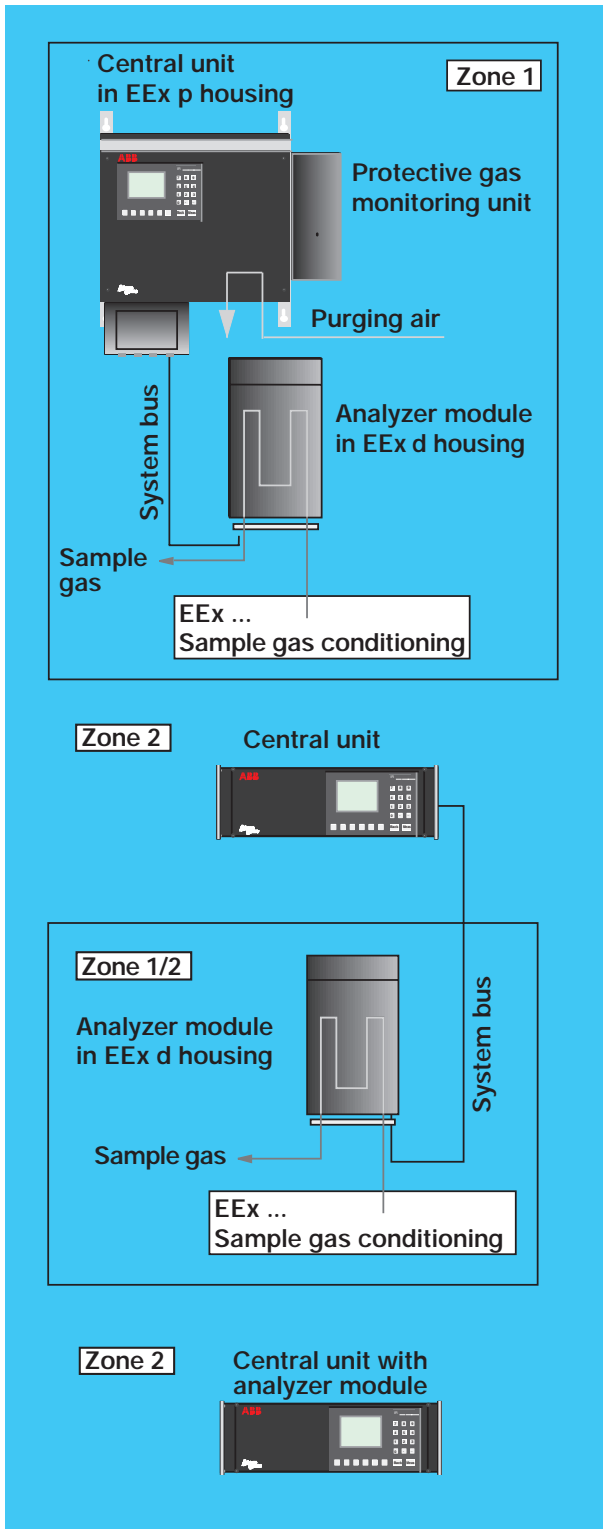
Consistent Ex Concept – Flexible Engineering



- Split architecture design allows the central electronics unit to be distanced (350 meters max.) from analyzer module
 - Simplified maintenance and operation
 - Flexible design
 - Easy installation
- Purging of the flameproof housing in case of corrosive sample gas
- Weight reduction through smaller ex unit
- Integration into multi-analyzer systems
 - Centralized operation of decentrally arranged analyzer modules
 - Reduced system price
- Central unit: EEx ped [ib] IIC T4
Analyzer modules: EEx d IIC T4

Advance Optima offers system integrated analyzer technology. Beneficial features include high performance measurement technology, the modular concept, incorporation of all system components as well as the facility for connection to PCS and service networks.

For an use in hazardous areas Advance Optima is perfectly suited. For ex applications Advance Optima provides explosion-proof versions. For installation in zone 1 and zone 2 the analyzer modules Uras 14, Magnos 16 and Caldos 15/17 are available in a flame-proof housing with flame barriers. In case of corrosive sample gases a purging of the flame-proof housing is possible.



Installation in zone 1

Measurement and operation in zone 1

Central unit:

- In the wall-mounted housing with an attached protective gas monitoring unit (pressurized enclosure „p“)
- Intrinsically safe keyboard (intrinsically safe „i“)

Analyzer module:

- EEx d housing, case protection degree IP 54
- Purging of the flame-proof housing in case of corrosive sample gas

Installation in zone 1 und zone 2

Measurement and operation in different zones

Central unit:

- Installation outside of the hazardous area
- In the 19"- or wall-mounted housing
- Installation up to 350 m away from the analyzer modules linked up via the system bus

Analyzer module:

- EEx d housing, case protection degree IP 54
- Purging of the flame-proof housing in case of corrosive sample gas

Installation in zone 2 (non-inflammable sample gas)

Measurement and operation in zone 2

The analyzer module can be installed directly in the 19"- or wall-mounted housing of the central unit

ABB

Hartmann & Braun