



Gas monitoring system

Data communication system ZM51 for data transmission of methan, carbon, monoxid dust concentration and air velocity

Features:

- Modular system layout with digital/analogue modules
- Software approved by notified body (DMT-Germany)
- Data bus via copper cable or fiber optic ring
- Can reach up to 20km
- Cyclic check of system function by reference values
- Local system shut down functionality
- Remote calibration of gas sensors
- System certified according IM1 Ex ia IMa
- Substation buffered by local IS UPS
- Open interface to surface Scada systems
- Open architecture for different type and suppliers of sensors

Benefits:

- High safety and system availability through approved software and system design
- Can be used in presence of high methane gas concentration
- Easy system extension by modular design
- Cost savings through local calibration

References:

Gas monitoring system for nuclear waste deposit
DBE Gorleben

Gas monitoring system for Velenje mine
Premogovnik Velenje

Gas monitoring system for German coal mines
Ruhrkohle Aktiengesellschaft (RAG)



