



Trolex® Enviro Sensorstation™



EWS & Co. A/S offers the Trolex Enviro Sensorstation™ to mine and tunneling corporations. Enabling them to know when there are dangerous gasses in the air.

- Built in sensors for any combination of five toxic or flammable gasses
- Plug-in pre-calibrated intelligent gas sensing modules, reducing cost of ownership
- High definition full graphic display with easy programming navigator keypad system
- 2000 point data logging and graphic trend display for each sensor channel
- Built-in visual and audible alarms
- Three alarm output contacts for remote alarm or control functions
- Heavy duty dust and waterproof IP66 rating
- RS485/MODBUS data output for up to 32 Enviro Sensorstations in a multi-point monitoring solution

The Enviro Sensorstation can monitor a combination of up to 5 gasses. The most common sensor choices are listed below along with their monitoring capacities. Other sensors are available, contact us for more possibilities.

Catalytic Combustion Gas Sensor

Flammable gasses 0...100%
calibrated to CH₄ with menu selection for up to 12 other flammable gasses LEL

Electro Chemical Gas Sensors

CO: Carbon Monoxide 0...500ppm
 H₂S: Hydrogen Sulphide 0...100ppm
 SO₂: Sulphur Dioxide 0...20ppm
 NO₂: Nitrous Dioxide 0...20ppm
 Cl₂: Chlorine 0..10ppm
 O₂: Oxygen 0...25%
 NO: Nitric Oxide 0...250ppm
 NH₃: Ammonia 0...50ppm
 H₂: Hydrogen 0...1000ppm
 CO: Carbon Monoxide 0...500ppm
 H₂S: Hydrogen Sulphide DUAL 0...200ppm
The CO/H₂S sensor is a dual sensor, each giving independent output

Infra Red Gas Sensor

CO₂: Carbon Dioxide 0...2% vol
 CH₄: Methane 0...100%
 LEL

Environmental Sensors

Ambient Air Temperature
 Sensor: -10...+50°C

Atmospheric Pressure
 Sensor: 700...1300mbar

Auxiliary Sensor Input Port:
 Any 4...20 mA device (ie. flow, dust or remote gase sensor)



The Trolex Enviro Sensorstation can be linked via RS485/MODBUS to a monitoring station allowing centralised monitoring, data logging and SCADA applications.