

THE FINNISH SOLUTION FOR YOUR GAS DETECTION



SCAN200EA Controller

- Steel cabinet
- Control logics
- Power supply for controller and for attached detectors
- Up to 64 detectors connections
- Up to 64 relay outputs
- Graphic display



Applications

- Process industry
- Engine rooms
- Solvent stores
- Painting shops
- Breweries
- Green houses
- Schools
- Ships
- Food industry

Benefits

- The controller is designed for the needs of the demanding industry and fulfils all relevant industrial standards
- The controller can facilitate up to 16 measuring points. With SCAN200AK sub-controller the gas detection system can be extended to facilitate up to 64 measuring points.
- Decentralised structure
- Addressable alarms
- Clear display shows the gas concentration as bar graph, trend curves or numbers
- Wireless remote alarm as option
- Industrial field bus interface as option



Accessories



SCAN200AK Sub-Controller



Input, Relay and Power Module



Reserve Power



Sounder and Sounder/Strobe



Field Bus Module



GSM Modem



Construction

Control Logics:	programmable embedded control logic designed for gas detection
Display:	graphical backlit LCD display, indicators for alarm classes A, B ja C and fault alarm
Input Unit:	1-8 pcs of 8 input units, current signals ((0)4...20 mA)
Relay Unit:	1-8 pcs of 8 relay units, relay contacts, 230 V AC 1,0 A for resistive load

Alarms

Alarms:	addressable alarm data for high and/or low concentrations from each channel is shown on the display, the last 64 alarm data are stored in the alarm history
Alarm Levels:	three alarm levels which can be programmed according to environmental demands and the customer's needs
Relay Actions in Alarm Situations:	normal: controlling function will be released when the gas concentration has recovered to normal acknowledged: controlling function will be released by acknowledging the alarm latched: controlling function can be released by acknowledging the alarm when the gas concentration has recovered to normal
Wireless Alarm Data:	alarm data as SMS message to a mobile phone (option)
Digital Output:	modem/service and RS485 interface (option)
Industrial Field Bus:	Profibus or Modbus field bus interface (option)

Environmental

Operating Temperature Range:	-10...+45°C
Operating Humidity:	non-condensing 10...90% RH
Operating Air Pressure:	normal air pressure

Electrical

Operating Voltage:	230VAC/24VDC
Cable Requirements:	power supply: MMJ 3x1,5mm ² or equal signal: JAMAK 2x(2+1)x0,5mm ² or equal bus: UNITRONIC BUS LD 3x2x0,22 mm ² + armoured twisted-pair cable, or equal
Power Consumption:	184W (maximum load)

Enclosure

Assembly:	wall mounted
Material:	steel plate
Surface Treatment:	powder painted
Colour:	RAL 7035 (grey)
Degree of Ingress Protection:	IP 54
Dimensions:	500mm x 500mm x 210mm or 500mm x 700mm x 250mm (width x height x depth)

Standards

The software complies with the standard EN 50271:	Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen – Requirements and tests for apparatus using software and/or digital technologies
---	--