

SCALYA® control station

Controlling and centralizing process data



Dimensions & weight

Height: 40 cm (15.7") - Width: 25 cm (9.8") -
Depth: 40 cm (15.7")
10 Kg - 22 lbs

Description and components

Hardware:
Tower Server / 1000W Inverter, 230V
Intel Xeon E5 Processor - 2.2 GHz / 6GB RAM
HotPlug 500Go SATA 7200 rpm Hard Drives
3.5" LCD monitoring screen - keyboard+mouse
2 Ethernet gigabit network cards
Redundant power supply units (each delivering 750W)
Electrical power required: 240V 50/60 Hz at 2.5A

OS & Software:
Windows 2008 server R2 standard (including
service pack)
SQL Server 2012 standard

Characteristics

- Nerve center for the SCALYA control solution
- Coordinates the control for the equipment of a cellar according to the reception of data coming from specific sensors
- Allows for the automatic execution of pre-defined work programs
- Guarantees process control and security
- Provides real-time data recovery via digital communication (Industrial Ethernet) from the SCALYA "tank" boxes
- Establishes the data storage in a redundant database with an industrial standard level of security.

Interface

- User-friendly and ergonomic interface, easy to integrate
- Settings for alerts and alarms
- Simplified facility supervision
- Integration of work programs developed by Vivelys specifically for cellars
- Breakdown management.

Warranty & Installation

- 1-year warranty
- Our teams can install and commission the equipment.

Options

- Training by our departments.

SCALYA® - AF and aging box

Measurement and transfer of process data



Dimensions & weight

Height: 60 cm - 23.6 inches

Width: 60 cm - 23.6 inches

Depth: 30 cm - 11.8 inches

40 Kg - 88 lbs

Description and components

304L - IP66 stainless steel box

Programmable micro-PLC

Measurement input 4/20 mA, PT100, RS485

Measurement output 12-24 VDC

M12 communication connector

Analog communication (4-20 mA)

Electrical power required: 220V 50/60 Hz at 2.5A

Characteristics

- Allows aging parameters to be measured (O_2d and CO_2) as well as control for the equipment of 6 tanks independently
- Contains 6 devices for measuring the rate of discharge for CO_2 from 0.06 to 12 m/s (accurate to 0.1 m/s) and the concentration for O_2d from 4 ppb to 25 ppm (resolution to 0.1 ppb)
- Signal is transformed by the SCALYA solution algorithm
- Substantial tolerance to relative humidity (up to 85%)
- Response time from 0.5 to 40 s (can be configured)
- Electromagnetic compatibility for industrial use
- Real-time data transfer via digital communication (Industrial Ethernet) to the control center.

Interface

- Connection possible with communicating sensors with 4-20mA or RS485
- Simple assembly and maintenance
- Factory calibrated to reduce commissioning time
- Sensors are configured from the PC via EE75 Configurator and the ARC Sensor Configurator.

Warranty & Installation

- 1-year warranty
- Our teams can install and commission the equipment.

Options & Compatibility

- Training by our departments
- Compatible with the SCALYA control solution.

CO₂ MONITORING SENSOR

CO₂ emission follow-up during AF



Dimensions & weight

Height: 60 mm - 2.36 inches
Width: 145 mm - 5.7 inches
Depth: 56 mm (2.2") (+110 mm - 0.43"- sensor rod)
400 g - 0.88 lbs

Description and components

AlSi3Cu metal alloy body - IP 65
Stainless steel sensor body
PBT (polybutylerterphthalate) measuring head
M12 communication connector
Analog communication (4 - 20 mA)
Electrical power required: 24 VDC
Consumption: max. 100 mA

Characteristics

- Real-time measurement of the concentration for CO₂ from 0.06 to 12 m/s (accuracy to about 0.1 m/s)
- Signal is transformed by the SCALYA solution algorithm
- Substantial tolerance to relative humidity (up to 85%)
- Response time from 0.5 to 40 s (can be configured)
- Electromagnetic compatibility for industrial use
- Instant data recovery via analog communication (4-20 mA)
- Data transfer via communication cable.

Integration & maintenance

- Connection possible with communicating programmable PLCs at 4-20 mA
- Simple assembly and maintenance
- Factory calibrated to reduce commissioning time
- Configuration of sensors using the PC

Warranty & Installation

- 1-year warranty
- Our teams can install and commission the equipment.

Options & Compatibility

- Training by our departments
- Compatible with the SCALYA control solution.