PHASE-OUT

Multiplexer for emission monitor Model GA33

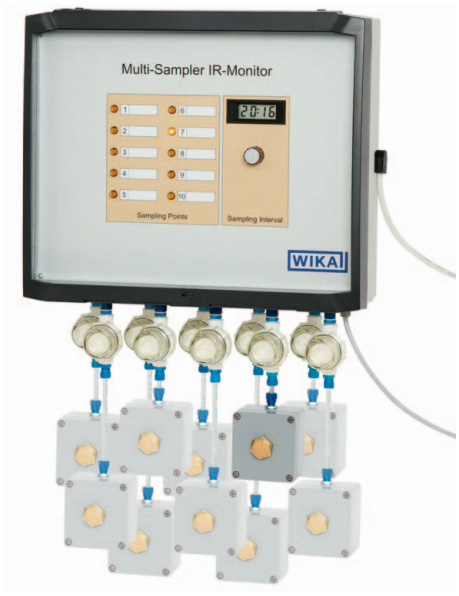
Multi-sampler IR monitor

Applications

Can provide up to 5 or 10 different measuring points together with model GA35 or GA38

Special features

- Adjustable measuring intervals
- Simple design



Multiplexer for emission monitor Model GA33

Description

The model GA33 multiplexer is connected upstream of an emission monitor e.g. model GA35 or GA38. Emission monitoring of SF_6 gas is required in closed rooms with SF_6 gas-filled equipment. For example, this could be a switchgear or a gas depot.

Most of these places are physically separated or too large for a central measuring point. With the help of the multiplexer, up to 10 measuring points can be monitored with one emission monitor. Thus the instrument scans through all active sampling boxes at a predefined interval. If a measuring point is not needed, it can be completely switched off within the instrument configuration.

Since SF_6 gas sinks to the bottom due to its high molecular weight in comparison to the ambient air, it makes sense to place the sampling boxes close to the ground. To protect the infrared measuring chamber, one filter is fitted on the multiplexer for each measuring point.

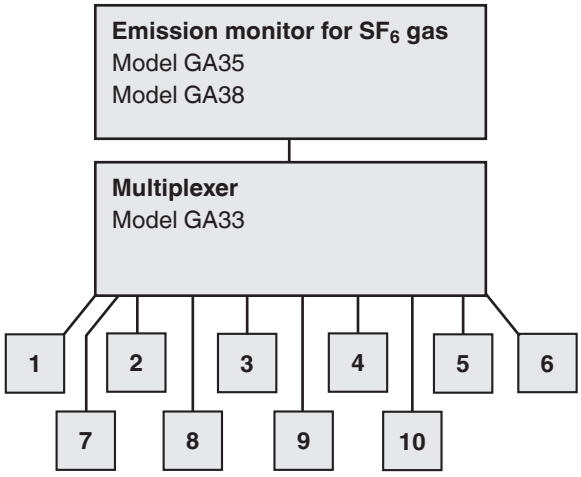
Functionality

On the model GA33 multiplexer, a cycle time can be preset and any measuring points that are not required can be switched off.

The cycle time specifies in which time intervals the individual measuring points will be interconnected. The measuring point that is active at any one time is connected directly to the emission monitor via a solenoid valve.

In the event of an alarm, the measuring points can be interconnected manually in order to pinpoint the exact location of the SF_6 gas emission.

The adjacent drawing shows the schematic layout of the measuring arrangement.



Specifications

Instrument versions
5 measuring points
10 measuring points

Display
4-digit LCD, 10 LEDs for the measuring points

Control panels
Button for selecting measuring point 1 to 10
Control dial for setting the changeover interval

Type of measuring point changeover
Manually selectable or automatic after the changeover interval has elapsed

Changeover interval of the measuring points
Settable between 0 ... 99 minutes

Tube
Outer diameter: 6 mm
Inner diameter: 4 mm

The tube length between the emission monitor and the model GA33 multiplexer should be a maximum of 2 metres.

Tube length between the model GA33 multiplexer and the sampling box should be a maximum of 25 metres.

Temperatures
Operating temperature: 0 ... 40 °C
Storage temperature: -10 ... +60 °C

Voltage supply
AC 60 … 240 V, 50/60 Hz

Dimensions
W x H x D: 500 x 400 x 160 mm

Weight
approx. 5 kg

Order numbers and accessories

Description	Order no.
Model GA33 emission monitor	
■ for 5 measuring points	14057547
■ for 10 measuring points	14013599
Sampling box for 1 measuring point	14015834
Tube from PU D6 x 1	14007875

Ordering information

The order number is sufficient to order the described product.

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