



Worldwide Supplier Of Gas Detection Solutions

Variocon 2010

The universal measuring amplifier/controller for pH, redox and chlorine measuring applications



pH, redox and chlorine/ozone measurements are required daily in many industrial water applications. It is therefore especially important that the measuring instruments used are reliable, simple and uncomplicated to use. The clear layout of the front panel and the simply labelled operating buttons of the VARIOCON 2010 help the user to find his way through the operator control levels without any difficulties.

The modern configuration of the instrument enables individual settings to be made for many measuring and control tasks in industrial and municipal applications such as swimming pools, neutralizing plants, refrigeration plants, sewage plants, water treatment, chemical plants, ... - wherever the pH value or redox reading gives an indication of contamination or neutralization. The same applies to chlorine and ozone measurements (especially in swimming pools).

The instrument's compact design (little mounting depth) is a significant advantage for applications in control panel installations or in wall-mounted cabinets.

The wide range of fittings provides the user with a selection which, together with accessories, covers all applications encountered in practical operations. Whether for simple flow measurements, measurements under pressure, immersion/tank measurements, or measurements where automatic cleaning is necessary – GfG is your partner.

- compact, robust measuring amplifier for pH, redox, chlorine
- easy operation designed for practical use
- good price/performance ratio

Technical data

Measured quantities

pH, redox, chlorine

Measuring ranges

0...14 pH
0...2.5 mg/l Cl₂ (chlorine)
-1000mV...+1000mV (redox)
(the 4-20mA outputs can be user-configured for all measuring ranges)

Mains connection

85 – 250 VAC 50/60Hz
or 24VDC via I/O connector

Power input

3VA (230VAC)

Measured value display

4-fold, 7-segment digital display
4 red LEDs for relay status
5 green LEDs for program status

Control/alarm functions

2 control and 2 alarm relays (6A/250 VAC)
Over/under-range (adjustable)
ON/OFF – proportional continuous action controller
Alarms latching, non-latching
Hysteresis adjustable

Operation

5 pushbuttons for all functions

Inputs/Outputs

Electrically isolated
2 mA outputs (4...20 mA)
NTC temperature sensor for automatic temperature compensation (option)

Dimensions

96 x 96 x 63 (DIN 43700) excl. connector
92 x 92 (panel cut-out)

Temperature range

Operating temp. from 0°C to +50°C

Temperature compensation

Automatic 0...100°C (option)
Manually adjustable from 1° to 100°C

Mounting

Simple, clip-on mounting, plug-in connections (inputs, outputs)

Enclosure:

IP 66 (with wall-mounted housing)