NIEUWKOOP

LEAFLET

CL3020

CHLORINE CONTROLLER,
MICROPROCESSOR

TO MEASURE = TO KNOW

- Input from: "Potentiostatic" electrode (CL7685)
- Input from: RTD Pt100 (3 core)
- Range: 0/20 PPM and 0/2 PPM autorange
  (0/200 PPM with "polarographic" sensor)
- Alphanumeric illuminated LCD
- Temperature reading
- Function mode: automatic, measurement, simulation
- Calibration parameters display
- Switching point and alarm display
- Automatic or manual Temperature compensation
- 0/20mA or 4/20mA programmable isolated output.

CB5300 Flow cell and CL5100 Chlorine sensor

Dual switching point setting with choice of:
- on/off
- PFM proportional Pulse Frequency Modulation
- PWM proportional Pulse Width Modulation with hysteresis, delay and min/max programmable functions
- Min/max and switching point time alarm relays

Software:
- 3 levels
- User friendly
- Direct/settable calibration mode
- Keyboard lock
- "watch dog"
- EEPROM parameter storage
- Automatic overload protection and reset
- Removable terminal strips
- 96x96 (1/4" DIN) housing

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General Information

This new controller with microprocessor is an advanced system for free Chlorine measurement and control in industrial processes. The computing power and variety of the microprocessor is supported by user friendly software, specially designed with 3 levels ; - *measured values and parameters reading, - calibration and set-point settings (keyboard unlocked), - programming of the functions (access code).*

The alphanumeric LCD displays all relevant information for the operation of the controller and the software provides the possible steps for calibration and set-up. The display shows the measured value as well as; the output relays, alarms and output current. For proper control, the display shows an indication of electrochemical sensor operating conditions, calibration status, set-points and analog output.

The user-friendly operation of the controller prevents the user from having to continuously refer to the manual.

The software has a "Watch-dog" for checking the correct functioning of the programs.

The electrical circuit is protected against "overload" or incorrect connection by a component that automatically triggers in either case.

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