CHLORINE ANALYSER

Application

Drinking Water
Water Treatment

Bottling Industry
OEM

Input Form

Potentiostatic sensor
Polarographic selective membraned sensors
Total Chlorine gas sensing method

Input from Pt100 3 Wires

Ranges: 0/2 PPM- 0/20 PPM- 0/200 PPM autoranging
Dual Filter software
Calibration Mode: immediate or postponed
Calibration Parameters display
Dual set-point and alarm conditions display
Temperature display
Automatic or manual temperature compensation

Isolated Output

0/20 mA or 4/20 mA selectable
Programmable input on the span
PID output
0/20mA or 4/20mA isolated output
dual relay for stepping motor
Automatic or maual operation
Alarm on set-point deviation
Continuous / Flashing alarm

EEPROM Parameters storage
Automatic overload protection and rest
Extractable terminal block
96x96 (1/4 DIN) housing

SPECIFICATIONS

Measuring : Residual Chlorine
Measuring cell : Potentiostatic / Polarographic
polarographic cell
current : 160 nA / PPM at 20 °C
Scale : 0/2.000PPM - 0/20.00 PPM -0/200.0PPM
Zero adjustment : ± 200nA
Cell sensitivity: 12.5 / 250 %
Potentiostatic cell :
Scale : 0/2.000PPM - 0/20.00 PPM
Zero adjustment : ± 2µA
Cell sensitivity: 12.5 / 250 %
Polarisation : -200mV (0/-1250mV)
Filter software 90%RT: 0.1 / 20.0s for small / large variations
Temperature
Input : Pt100, 3 wires
Measuring and compensation range : -2 / 52°C
Manual temperature: -2 / 52°C
Resolution : 0.1°C
Zero adjustment : : ±1°C
Temperature coefficeint : 0/4.0%°C
Regulation:
4/20 mA or 0/20mA stepping motor
Motor timr : 10/120.0s
Dead time : 0/20.0 s
Manual staring position : 0/100.0%
Setpoint: any value in measuring range
Dead band : 0.2/20.0% (stepping motor)
Proportional band : 0.1/400.0%
Derivative:0/1200s
Integral: 0/3600s
Power supply
230VAC
110VAC
24VDC