

SOFTWARE CHARACTERISTICS

FREE AND COMBINED CHLORINE

Measurement principle: Photometric Monitoring
Absorption peak: 515nm
Procedure used: DPD colorimetry
Projector: Narrowband LED
Sensor: Silicon light sensor
Measurement range: 00,00 - 5,00 ppm Free chlorine
Resolution: +/- 0.01 ppm Free chlorine
Precision: +/- 2% F.s.
Repeatability: 98 %
Set-Point: 3 with Relay outputs

PH

Measurement principle: Potentiometric
Measurement range: 00,00 ÷ 14,00 pH
Resolution: ± 0.01 pH
Precision: ± 0.2% F.s.
Repeatability: 98 %
Input impedance: > 10 GOhm
Polarisation: < 1 pA
Set-Point: 1 with Relay output

REDOX

Measurement principle: Potentiometric
Measurement range: ± 1000 m
Resolution: ± 1 mV

Precision: ± 0.2% F.s.
Repeatability: 98 %
Input impedance: > 10 GOhm
Polarisation: < 1 pA
Set-Point: 2 Logics

CONDUCTIVITY

Measurement principle: Conductometric
Sensor: Sensor with stainless steel electrodes
Measurement range: 0 – 2000 µS
Resolution: 1 µS
Precision: ± 2% F.s.
Repeatability: 98 %
Compensation temperature: Automatic

TEMPERATURE

Measurement principle: Resistance thermometer
Sensor: Probe NTC 100K@ 25
Measurement range: 0.0 – 50.0 °C
Resolution: ± 0.1 °C
Precision: ± 2% F.s.
Repeatability: 98 %

HARDWARE CHARACTERISTICS

Measurement cell: Open Light in Plexiglas protection
IP67
Solenoid valve for washing: Separation membrane anti-acid
Display: LCD 128 x 240 pixel backlit
Keyboard: 6 membrane functioning keys
CPU: 8 bit 8Mhz Processor - 128KB Flash – 8KB Ram – 8KB EEprom
Archive memory: Flash 512KB serial
Calendar: Clock Calendar with Backup Battery.
Clock frequency: of 32.768 Khz
Serial interface: RS485 galvanically separated
Dosing relay: 2 for dosing Free Chlorine
1 ON/OFF for dosing Free Chlorine
1 for measuring pH

Alarm relay: 1 in Exchange
Measuring Enabling: 1 Active Digital Input
Connections: Multi-polar Rapid Connectors with IP67 protection
1 – 3+PE Male Feeder
1 – 6+PE Male Relay Outputs
1 – 6+PE Female Feeder
Digital + Serial Host
Feeder: 85-265Vac 50/60 Hz
Absorption: Max 15 VA
Level of protection: IP65