SOFTWARE CHARACTERISTICS

FREE AND COMBINED CHLORINE

Measurement principle: Photometric Monitoring.
Absorption peak: 515 nm.
Procedure used: DPD colorimetric.
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: probe with stainless steel electrodes.
Measurement range: 0 – 2000 µS.
Resolution: 1 µS.
Precision: ± 2% F.s.
Repeatability: 98%.
Temperature compensation: 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.
Washing solenoid valve: Anti-acid separation membrane system.
Display: LCD 128 x 240 pixel backlit.
Keyboard: 6 membrane functioning keys.
CPU: uProcessor 8 bit 8Mhz - 128KB Flash – 8KB Ram – 8KB EEprom.
Archive memory: Flash 512KB serial
Calendar: Clock Calendar with Backup Battery.
Clock frequency: 32.768 Khz.
Serial interface: RS485 galvanically separated.
Dosing relay: 2 for measuring Free Chlorine, 1 ON/OFF for measuring Free Chlorine, 1 for measuring pH.
Alarm relay: 1 in Exchange.
Measuring Enabling: 1 Active Digital Input.
Connections: Multi-polar Rapid Connectors with protection IP67, 1 – 3+PE Male Feeder, 1 – 6+PE Male Relay Output,1 – 6+PE Female Digital Input + Host Serial
Feeder: 85-265Vac 50/60 Hz.
Absorption: Max 15 VA.
Level of protection: IP65.