PoolCop EREF AVAILABLE

FREE AVAILABLE CHLORINE SENSOR

MEASURE YOUR FREE AVAILABLE CHLORINE (FAC) WITH RELIABLE ONLINE DATA

Associating this professional grade free available chlorine sensor with a PoolCop Evolution or PoolCop Genesis guarantees the exact chlorine level in the pool, according to the desired disinfectant rate.

Free available chlorine in the water (including chlorine bound in stabilizers), is measured in parts per million, equivalent to DPD1 (as required by health authorities).

While ORP monitoring will bring suitable disinfectant water, combining this FAC sensor and a PoolCop 2-in-1 pH-ORP sensor ensures that the water chlorine level stays within the recommended or desired values.

PoolCop's intelligent algorythms allow the system to adjust the chlorine level as, and when, needed within the defined range.

You are ensured the pool water is consistently healthy and suitable for bathers.



Amperometric measuring eliminates interference caused by turbidity or colouration, and integrated temperature compensation eliminates interference caused by influence of temperature.



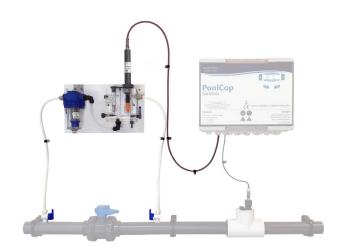


PRODUCT ADVANTAGES

- Free active chlorine measurement (no cyanuric acid in the pool)
- Free available chlorine measurement (cyanuric acid in the pool)
- Modbus communication
- Suitable for public and residential pools
- Suitable for both chlorine and electrolysis disinfection
- Accurate and reliable
- Real-time and online DPD1 measurements
- Simple and direct installation
- Simple calibration (SpinTouch measurement)



| REFERENCE | AC5302 |
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| MEASUREMENT REFERENCE | DPD1 for disinfectants with organic chlorine |
| PACK CONTENTS | PoolCop free available chlorine sensor FAC (maintenance kit included) PoolCop free available chlorine sensor cable PoolCop Modbus adapter PoolCop free available chlorine sensor flow panel 2 x isolation valves NPT 3/8" x 3/8" 6m tube 3/8" |
| DIMENSIONS | Sensor : 221 x 25 mm diameter - 0.3 Kg Panel : 320 x 200 mm - 2.7 Kg |
| GUARANTEE | Sensor - 12 months Flow panel - 24 months |
| CONTROL AND DISPLAY | Via PoolCop, web interfaces and PoolCop Cloud |
| POOLCOP FIRMWARE, MINIMUM REQUIRED | V44.4 |
| COMMUNICATION WITH POOLCOP | RS485 Modbus |
| POWER SUPPLY | 12 VDC from PoolCop |
| MEASURING PRINCIPLE, TECHNOLOGY | Amperometric, 2 electrodes, membrane-covered |
| CROSS SENSITIVITY | ClO ₂ , ozone, bromine, iodine |
| PRESSURE | 1 bar |
| рН | 5.5 to 9.5 |
| TEMPERATURE | 5 to 45°C |
| FLOW RATE | 30 to 60 liters per hour |
| MEASUREMENT, ACCURACY | 1 to 10 ppm certified to within 5% at all temperatures 10 to 20 ppm tested to within 5% up to 32°C 10 to 20 ppm tested to within 10% up to 39°C |
| RECOMMENDED MAINTENANCE CYCLE | Calibration at least monthly Electrolyte gel replacement every 3 months Membrane cap replacement every 6 months |
| COMPLIANCE, ACCREDITATION, CERTIFICATION | CE and LVD, UKCA, WEEE, UL & NSF 50 Level 1 WQTD |
| INSTALLATION COMPATIBILITY | PoolCop Evolution, PoolCop Genesis, PoolCop Panels New construction, renovation, or upgrade Residential and commercial pools and spas |
| COMPATIBLE OPTIONS | Drum level sensors Proximity sensor All treatment equipment |



Chlorine Sensor Flow Panel