

PoolCop

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 algorithms 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)

i TECHNICAL SPECIFICATIONS

REFERENCE	AC5302
MEASUREMENT REFERENCE	DPD1 for disinfectants with organic chlorine
PACK CONTENTS	<ul style="list-style-type: none"> • 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
pH	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 Genesis Panel New construction, renovation, or upgrade Residential and commercial pools and spas
COMPATIBLE OPTIONS	<ul style="list-style-type: none"> • Drum level sensors • Proximity sensor • All treatment equipment

Chlorine Sensor Flow Panel

