



## WaterTech FCL Sensor

**THE WATERTech FCL SENSOR IS A ROBUST IN-TANK MONITORING SOLUTION USED TO MEASURE FREE CHLORINE IN A WIDE VARIETY OF WATER AND WASTERWATER APPLICATIONS.**

### RELIABLE OPERATION

- The industrial-grade design is resistant to the impacts of a harsh plant environment.
- The sensor is equipped with a reference electrode to eliminate the need for pH compensation and reduce the risk of zero drift.

### LOW COST OF OWNERSHIP

- The WaterTech FCL sensor requires membrane and electrode replacement once a year.
- Maintenance is minimal because reagents and buffers aren't required.

### INTEGRATED SOLUTION

- The WaterTech FCL sensor is part of a complete digital portfolio of process sensors that can be used with the 7300 monitor.

### TOTAL FIELD OF SUPPORT

- Our team of experts provides outstanding customer service and technical support.



### Applications:

- DRINKING WATER TREATMENT
- WASTEWATER TREATMENT
- INDUSTRIAL PROCESSES

GENERAL		WaterTech FCL Sensor	
DIMENSIONS	Electrode Body - 220 mm (8.7 in) x 25 mm (0.9 in) diameter Interface Enclosure - 120 mm (4.7 in) x 110 mm (4.3 in) x 45 mm (1.7 in)	CABLE TYPE: TO ELECTRODE	2 core, twisted pair, 5 mm (0.1 in) O/D polyurethane
PROTECTION CLASS	IP65	CABLE LENGTH: TO ELECTRODE	1 m (3.2 ft)
ELECTRODE BODY	PVC-U, PEEK, Stainless Steel, microporous hydrophilic membrane	OPERATING TEMPERATURE	0 to 45°C (32 to 113°F)
INTERFACE ENCLOSURE	ABS	PRESSURE	3 Bar, no pressure surges and/or fluctuations
CABLE ENTRIES	Integral Cable Gland	POWER SUPPLY	12 Volts from monitor
CABLE TYPE: TO MONITOR	4 core, 2 twisted pair, 5 mm O/D polyurethane	INTERFACE TO MONITOR	Modbus RS485
CABLE LENGTH: TO MONITOR	1 m (3.2 ft)	COMPLIANCE	334.0
SERVICE REQUIREMENT	Membrane & electrode replacement every 12 months - Regular calibration is required by means of analytical determination.		
MEASUREMENT			
RANGE	0 to 5 ppm (mg/l)	REPOSE TIME	T90 = approx. 2 minutes
RESOLUTION	0.01 ppm (mg/l)	PH RANGE	4 to 9 pH
MEASUREMENT PRINCIPLE	Membrane covered, amperometric, 3-electrode system	INTERFERENCES	Chlorine Dioxide, Ozone
Warranty	2 Years		

