

The flexible spring-loaded mounting bracket is designed to withstand turbulent conditions. The fiberglass telescopic rod is extendable to 4 meters and can be removed easily for inspection.



SS Slide rail assembly for easy installation and servicing. Available in two sizes 20 mm Ø for pHX, ReX and FLX and 66 mm Ø for O2X and ITX sensors. The rail has field adjustable stop. It's easy to install and to inspect sensors for cleaning and calibration.



The automatic flushing device has no moving parts and ensures minimal maintenance and enhanced reliability. The flushing nozzle uses water or compressed air.



The CBX is built into a stainless steel enclosure for installation in a variety of environments. It has automatic flushing of both sensor and cable after each soldering.

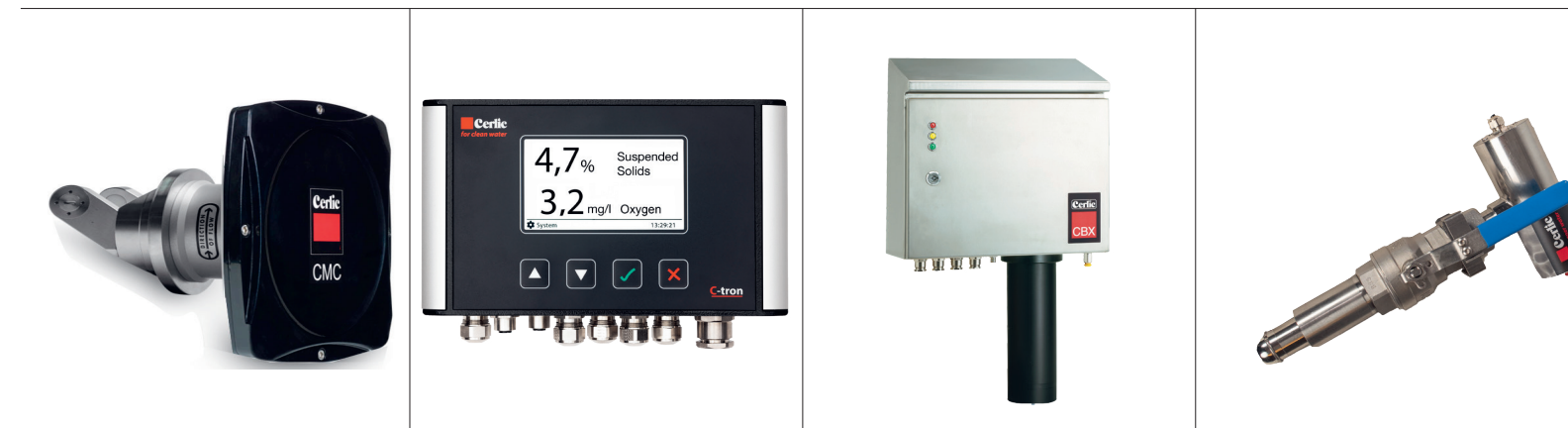
## ABOUT CERLIC

Cerlic develops, manufactures and markets instruments for on-line measurement and monitoring of process parameters. The target business areas are primarily wastewater treatment plants, pulp and paper mills and other process industries. Our line of instruments is characterized by a high degree of quality, functionality and user-friendliness.

Cerlic Controls was founded 1977. Our knowledge and experience of processes and applications combined with our rugged measuring instruments provides customers with reliable and continuous on-line information as well as enhanced knowledge about plant processes. Factory calibrated sensors allow for immediate measuring after installation. Easy operation and minimal maintenance separates Cerlic from the competition.

Since 2005 Cerlic is a subsidiary of the Eletta Group, a global organisation with its base in Sweden. Subsidiaries in Asia, Europe, North America, plus a world wide distributor network ensures sales and service support.

At Cerlic, our relationship with customers begins with the sale rather than ends. We offer training courses regularly in order to increase "users" knowledge about both the process and the instruments. Our dedication to "service after the sale" is reflected in our existing customers' loyalty.



# SENSORS FOR CONTINUOUS MEASUREMENT

in waste water treatment and industrial processes



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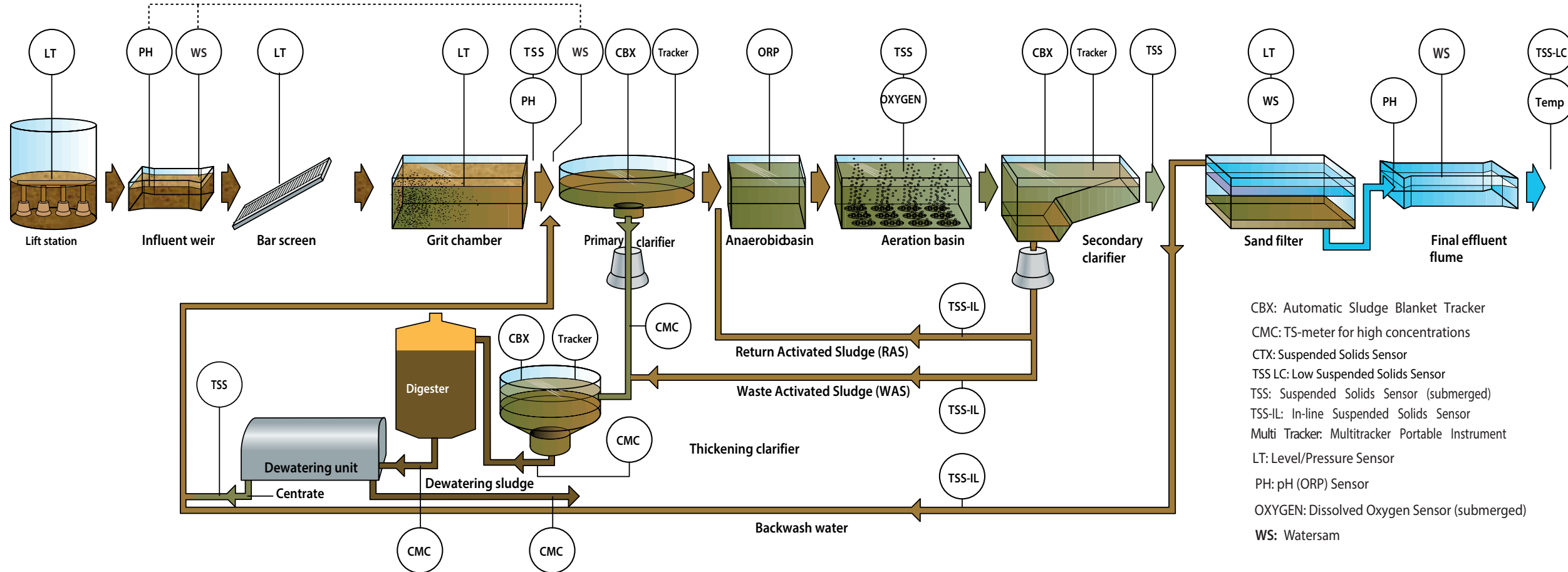
CZCOEN24

Cerlic has expertise in TS- & sludge blanket measurement





**CENTRAL PROCESSING UNIT C-TRON**  
Active management of up to four sensors. High contrast display shows real-time values. Easy configuration of sensors via graphical interface. IP65, from -20° to +55°C. INTERFACE  
4 x 4-20mA outputs  
2 x relay outputs for flushing and alarm. Modbus RTU via RS485.  
Modbus TCP via TCP/IP. 2 expansion modules for future interfaces.



CBX: Automatic Sludge Blanket Tracker  
CMC: TS-meter for high concentrations  
CTX: Suspended Solids Sensor  
TSS LC: Low Suspended Solids Sensor  
TSS: Suspended Solids Sensor (submerged)  
TSS-IL: In-line Suspended Solids Sensor  
Multi Tracker: Multitracker Portable Instrument  
LT: Level/Pressure Sensor  
PH: pH (ORP) Sensor  
OXYGEN: Dissolved Oxygen Sensor (submerged)  
WS: Watersam

**PH AND REX - SENSORS**  
pHX is "Smart" calibrated with 4, 7, 10 buffers or manually with any buffers. ReX requires no calibration but can be checked with standard mV solutions. Flushing system is normally supplied to alleviate cleaning of electrodes.  
APPLICATIONS pH: pHX influent, effluent, aeration basins, etc. APPLICATIONS ORP: ReX nitrification basins, chlorine contact basins, aeration basins, etc.

**TSS SUBMERSIBLE SUSPENDED SOLIDS SENSOR**  
with built-in automatic flushing system. Optical transmitter using continuous on-line measuring of suspended solids from 0-100 up to 20 000 mg/l. Output signal is held constant during flushing cycle. Wide 20 mm gap between lenses to alleviate solids plugging. APPLICATIONS: influent, primary effluent, aeration basins (MLSS), return activated sludge (RAS), filtrate, etc.

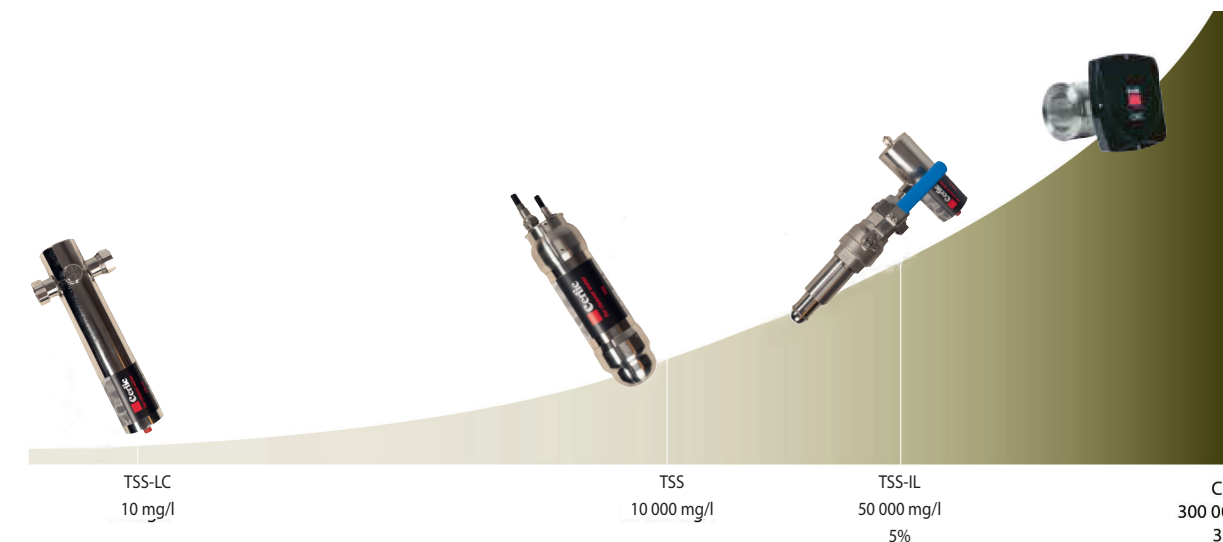
**OXYGEN**  
with built-in automatic flushing system. Output signal is held constant during flushing cycle. Calibration needed only once every 6-12 months. Oxygen electrode is cartridge design with built-in temperature sensor for continuous compensation.  
APPLICATION: aeration basins, final effluent w/ temperature output, SBR, etc.

**TSS-LC LOW SUSPENDED SOLIDS SENSOR**  
True Suspended Solids Meter for FINAL EFFLUENT and REUSE WATER applications. Sensor is zero and temperature calibrated at factory, so you only enter actual sample points from lab tests in the field. Measuring ranges from 0-10 mg/l up to 1 000 mg/l.

**INLINE SUSPENDED SOLIDS SENSOR TSS-IL**  
In-line optical transmitter using NIR (near-infrared) light for measurement of suspended solids from 0 to 50 000 mg/l in RAS, WAS, etc. 15 mm gap between lenses and built-in flushing nozzle to alleviate solids plugging. Supplied with 1 1/2" SS isolation valve. Designed for up to 90 psig applications.  
APPLICATIONS: return and waste activated sludge (RAS/WAS), MLSS, Sand Filter Backwash monitoring, etc.

**CMC - HIGH CONCENTRATION TOTAL SOLIDS METER**  
Sensor for continuous online measurement of suspended solids up to 30% TS. Dimensions from DN50 up to DN300.  
APPLICATIONS: high % primary, dewatered or digested sludge.

## CERLIC OFFERS A COMPREHENSIVE RANGE OF PRODUCTS



**AUTOMATIC SLUDGE BLANKET METER CBX**  
Cerlic CBX detects the blanket by means of a near infrared (NIR) suspended solids sensor, which travels through fluff layers until it finds the preset blanket solids concentration. Sensor is lowered on pulse from rake limit switch or timer. Field adjustable concentration setting. Automatic water flushing system of cable and sensor after each cycle. APPLICATIONS: CBX is a sludge blanket meter for measurement of blanket depth in clarifiers and thickeners in WWTP and WTP.

**MULTISERIES**  
Portable instrument for several parameters  
Chose your sensor for suspended solids, sludge levels or oxygen. You can easily change sensors by means of a simple contact connection.  
Data logger to store up to 250 samples. The log can easily be transferred to your computer via the contact connection.



**WATERSAM WATER SAMPLERS**  
Samplers in acid-proof steel, wall-mounted or integrated in refrigerators. Sample cups in dishwasher-safe borosilicate glass, resistant to acids, alkalis and temperature fluctuations. Possible to combine up to 24 bottles with X/Y sample changers for precise filling positions without contaminating spills.  
Up to nine parallel applications for single or simultaneous operation. The refrigerators are adapted for indoor and outdoor use. Withstands temperatures from -25°C to +42°C

