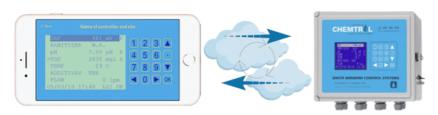# CHEMTROL® CT110cr Programmable Controller

Designed for Corrosion Rate Measurement (LPR)

A fully programmable controller, the Chemtrol® CT110cr offers automatic control of water chemistry along with online corrosion rate monitoring using Linear Polarization Resistance (LPR) to measure the corrosion rate of metals such as copper and mild steel.

Designed with 6 relay output channels to control chlorine/bromine levels in ppm or mg per litre, conductivity/TDS, pH, and programmable chemical additives such as inhibitors, biocides, dispersants, etc. The large, user-friendly 8-line LCD display enables you to supervise all process functions at a glance, with the ability to quickly respond to changes in condition.

Mirror the controller screen on your device

Use our app to operate the controller
Anytime, Anywhere

Simple, Reliable and Flexible

Whether it's a swimming pool, spa, aquatic centre, water park, or industrial water treatment facility, chemical automation is the easiest and most efficient way to ensure proper water quality. Thanks to the Chemtrol® CT110cr's advanced microprocessor technology you have access to a new standard of sophistication in automated control of sanitizers, oxidizers, and pH.
The Chemtrol® CT110cr controller has also been designed to be user-friendly, reliable and easy to install. It also comes with an industry-leading five year electronics warranty.

Standard Features

√ Conductivity control with bleed programs

√ chlorine/bromine sensor (ppm) for
   controlling sanitizer levels in ppm or mg per liter

√ pH control with automatic acid and base feed

√ Temperature compensation and display

√ Three additive chemical feed programs

√ Chemical level alarms with adjustable setpoints

√ Two water-meter input connections, compatible
   with either pulse or 4-20mA signal

√ Programmable super chlorination program

√ Langelier saturation index for water balance

√ Flow Cell Assembly (FCA) with safety flow switch

√ Remote alarm

SANTA BARBARA CONTROL SYSTEMS
Santa Barbara, California USA

CHEMTROL AUSTRALIA
Smart. Clean. Simple

1300 585 820
sales@chemtrol.com.au

CHEMTROL® CT110cr Programmable Controller

Hassle free installation

In our commitment to simplify the installation process of CHEMTROL® controllers, we have streamlined everything onto a customized assembly manifold, prepared for easy connection.

√ CHEMTROL® uPVC by-pass line assembly
√ Blade style safety Flow Switch
√ Holder fitting for Conductivity, pH, sanitiser and corrosion sensors
√ Flow adjustment valve
√ A choice between uPVC solenoid valve or electric motorized bleed valve. Optional bromine feeder valve
√ Non-return valve with chemical injection points
√ Water sampling valve

Control your facility 24/7 from anywhere

Smart web-server technology offers true duplex operation, providing identical screens on both the controller and your PC/laptop or any mobile device. This feature is particularly useful for remote monitoring, operator training, troubleshooting, and real-time control of all operating functions. It includes status reports, trend graphs, and automatic alerts via email or text messages.

The CHEMTROL® advantage

Discover the convenience of our waterproof cabinet, seamlessly consolidating all your communication needs

Remote monitoring and control with a cloud-based web server via Ethernet port or WiFi interface.

True duplex operation technology mirrors the controller display on your PC or any mobile device.

Wireless control using a 4G or 5G router. 4-20mA signal for monitoring display outputs.

Building Management System (BMS) and SCADA Communications protocols include:

Modbus IP, Modbus RTU, BACnet IP, BACnet MSTP, and LonWorks.

Automated water treatment since 1976

QUALITY

Proven reliability and performance with 5-year electronics warranty

TECHNOLOGY

Remote monitoring and control with true duplex operation

EXPERIENCE

45+ years of research and development behind our product range

SUSTAINABILITY

Chemical & Energy saving programs designed to reduce operating cost

PEACE OF MIND

Consistent disinfection under varying conditions and regulations