TECHNICAL DATA OF ALL MODELS

Functions	CCS/1	CCS/4	CCST/1	CCST/4	WQC	WQCT
Range	0÷14.00 pH 0÷1999 mV 0÷9.99 mg/l Cl_2 0÷99.9 °C	0÷14.00 pH 0÷1999 mV 0÷9.99 mg/l Cl_2 0÷99.9 °C	0÷14.00 pH 0÷1999 mV 0÷9.99 mg/l Cl_2 0÷99.9 °C	0÷14.00 pH 0÷1999 mV 0÷9.99 mg/l Cl_2 0÷99.9 °C	0÷14.00 pH 0÷1999 mV 0÷10.00 mg/l Cl_2 0÷19.99 NTU	0÷14.00 pH 0÷1999 mV 0÷10.00 mg/l Cl_2 0÷19.99 NTU
Resolution	0.01 pH 1 mV 0.01 mg/l Cl_2 0.1 °C	0.01 pH 1 mV 0.01 mg/l Cl_2 0.1 °C	0.01 pH 1 mV 0.01 mg/l Cl_2 0.1 °C	0.01 pH 1 mV 0.01 mg/l Cl_2 0.1 °C	0.01 pH 1 mV 0.01 mg/l Cl_2 0.01 NTU	0.01 pH 1 mV 0.01 mg/l Cl_2 0.01 NTU
Display	LCD Backlight display					
Controls	Digital					
Environment Working Temperature	0 °C ÷ 50 °C - 0 % ÷ 95 % (non condensing) relative humidity					
Set Points	2 alarm for pH 2 alarm for mV 2 alarm for mg/l Cl_2 1 digital proportional 1 constant flocculant	2 alarm for pH 2 alarm for mV 2 alarm for mg/l Cl_2 1 digital proportional 1 constant flocculant	2 alarm for pH 2 alarm for mV 2 alarm for mg/l Cl_2 1 digital proportional 1 constant flocculant	2 alarm for pH 2 alarm for mV 2 alarm for mg/l Cl_2 1 digital proportional 1 constant flocculant	2 alarm for pH 2 alarm for mV 2 alarm for mg/l Cl_2 2 alarm for NTU 1 digital proportional 1 constant flocculant	2 alarm for pH 2 alarm for mV 2 alarm for mg/l Cl_2 2 alarm for NTU 1 digital proportional 1 constant flocculant
Outputs	2 On/Off for pH 2 On/Off for mV 2 On/Off for mg/l Cl_2 1 digital proportional	2 On/Off for pH 2 On/Off for mV 2 On/Off for mg/l Cl_2 1 digital proportional	2 On/Off for pH 2 On/Off for mV 2 On/Off for mg/l Cl_2 1 digital proportional	2 On/Off for pH 2 On/Off for mV 2 On/Off for mg/l Cl_2 1 digital proportional	2 On/Off for pH 1 On/Off for mV 2 On/Off for mg/l Cl_2 1 On/Off for NTU 1 digital proportional	2 On/Off for pH 1 On/Off for mV 2 On/Off for mg/l Cl_2 1 On/Off for NTU 1 digital proportional
Printer port	YES	YES	YES	YES	YES	YES
RS232 Communication port	NO	NO	YES	YES	NO	YES
Input	Water meter, 3 level tank, Flow, Stand-by					
Delay	Programmable 0-99 min for pH on alarm Programmable 0-99 min for mV on alarm Programmable 0-99 min for mg/l Cl_2 on alarm				Programmable 0-99 min for pH on alarm Programmable 0-99 min for mV on alarm Programmable 0-99 min for mg/l Cl_2 on alarm Programmable 0-99 min for NTU on alarm	
Max Resistive Load	5 A					
Power Supply	115, 230 VAC (specify when ordering); 50/60 Hz					
Power Consumption	Avarage 12W					
Fuse	Instrument and outputs fuse protection					
Galvanic Isolation	Upon demand					
Casing Material	ABS - IP65 box					
Mounting	Wall					
Dimensions	360 x 260 x 180					
Net Weight	3,7 kg					
Compensation	pH: automatic against temperature Cl_2: automatic against pH (on demand)					

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DIGITAL CONTROL INSTRUMENTS

CCS & WQC SERIES

CCS & CCST * WQC & WQCT

Digital Control Instruments

CCS and **WQC** controllers are based on microprocessor technology providing reliable and accurate measuring of **pH**, **Redox** (ORP), **Cl_2** and **Turbidity**. These instruments are designed for the new demand of complex water treatment system and swimming-pools.

WQC

pH, ORP potential, Cl_2 and Turbidity controller with On/Off and digital proportional output. The controller has a printer port and an internal log file to keep the last 250 events stored with programmable schedule and the alarms.

WQCT

WQC version for remote control, it is equipped with a serial port to connect a standard modem easily available in the market or a GSM modem for installation in remote places where there is not the phone line. The instrument can also be programmed to call the data center's PC to notify the presence of an alarm. Remote control software for Windows® is provided with the controller.

Windows® is a registered trademark of MICROSOFT CORPORATION.

CCS

pH, ORP potential and Cl_2 controller with temperature reading, provided with temperature probe. On/Off and digital proportional output. The controller has a printer port and an internal log file to keep the last 250 events stored with programmable schedule and the alarms.
Model CCS/1 works with amperometric cells ECL1/2/3.
Model CCS/4 works with amperometric cells ECL4/5/6/7.

CCST

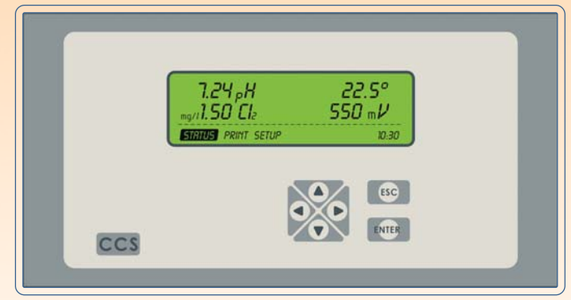
CCS version for remote control, it is equipped with a serial port to connect a standard modem easily available in the market or a GSM modem for installation in remote places where there is not the phone line. The instrument can also be programmed to call the data center's PC to notify the presence of an alarm. Remote control software for Windows® is provided with the controller.
Model CCST/1 works with amperometric cells ECL1/2/3.
Model CCST/4 works with amperometric cells ECL4/5/6.

General Features

DISPLAY

LCD backlight display enables efficient reading with high resolution, providing constant indication regarding operation, equipment status and system conditions.

CCS * CCST



WQC * WQCT

KEYPAD

A convenient keypad allows easy and quick access to the menus for programming and calibrating operations.

ACCESSORIES

Emec offers a wide range of electrodes and accessories to match technical requirements of different applications.

DESIGN

Compact design and four fixing point ensure easy wall mounting or implementation in control panels. Controls are easy to access and protected with a transparent poly-carbonate cover with climp-on lock.

QUALITY MARKINGS

*CCS and WQC instruments are **CE** marked.*

CONFIGURATION

Installation and configuration are easy and quick.

DELAY

This safety function delays the activation of dosing pump or any equipment driven by the controller after stand-by mode.

STAND-BY

Instruments are provided of stand-by input to disable pump's output when the electrode cell is running without water.

CALIBRATION

Easy and reliable probe calibration to the controller by means of buffer solutions.

PRINTER

*Serial port for **printer** allows log print.*

PROTECTION

*Meets **IP65**.*