

 CENTURIO



cod. 20210790



EMEC S.r.l. Via Donatori di Sangue, 1 - 02100 Rieti - Italia
T. +39 0746 2284 1 F. +39 0746 2284 2
info@emecpumps.com - www.emecpumps.com

CENTURIO
PRO - POOL - TOWER

emec®
SIMPLE AS WATER 

CENTURIO

Dosing systems at your command



The evolution of technology can improve your work experience only when you have complete control over it. **CENTURIO** is the digital controller designed by EMEC to give you the best work experience in the multiparameter control of dosing systems with the ease and safety you need.

High-performance hardware and software of **CENTURIO** makes possible a simultaneous and complete control over all the main measurement parameters, while you have access to a rich set of functions and connection options that really enhance and simplify your work.

CENTURIO series includes:

CENTURIO PRO, a really complete solution suitable for every application;

CENTURIO TOWER, a specific control system for cooling towers water treatment;

CENTURIO POOL, specific for swimming pool water treatment.

WHAT CHANGED

- New captivating design
 - New customisable polycarbonate front membrane
 - New front mask compatible with previous Centurio versions
 - Redesigned external box for housing cable glands and LAN and USB ports
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- Integrated connectivity with Wi-Fi, LAN, USB and Modbus
 - New high-performance processor
 - New touchscreen display for a smoother user experience
 - New high-performance and electromagnetic interferences-free eMMC memory
 - Power Supply 110 - 240 VAC, 50/60 Hz | 9-36 VDC
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- Proven immunity to electromagnetic interferences
 - Maximum protection against dust and water jets (IP65)
 - Additional security features such as external watchdog and power failure log

NEW CPU

- CPU: Quad core Arm® Cortex® A55 (ARMv8) 64 bit @ 1.8 GHz
- GPU: Arm Mali™ G52 2EE, OpenGL® ES1.1/2.0/3.0/3.1/3.2, Vulkan® 1.1, OpenCL™ 2.1
- Memory: 32bit LPDDR4X
- Storage: eMMC 5.1 up to 4GB
- Wireless LAN 2,4/5 GHz

COMMUNICATION

- Nimbus Online Remote Control /My Emec App
- WIFI - 3G/4G - LAN - USB - MODBUS



SETUP WIZARD
Assisted programming helper for first setup



REMOTE CONTROL
Smartphone, tablet and computer



SETTINGS UPLOAD
Remote or USB upload of settings

INPUTS

- 8 product level inputs
- Flow input
- 2 water meter inputs
- 1 RS485 bus probe input
- 6 slots for channels reading
- Ingresso stand-by

OUTPUTS

- 8 proportional outputs
- 6 on/off outputs
- 2 “freecontact” on/off outputs
- 6 current outputs



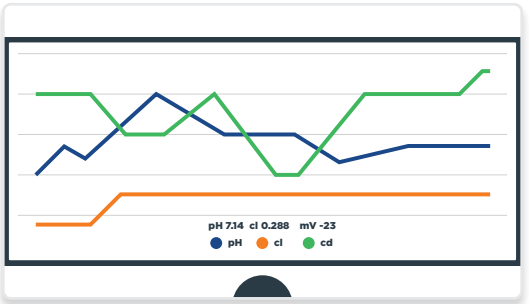
NEW TOUCH DISPLAY

4,3” LVDS LCD FULL COLOR DISPLAY



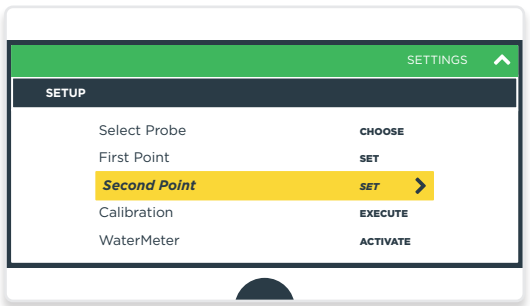
DASHBOARD

Quick data visualization on the dashboard



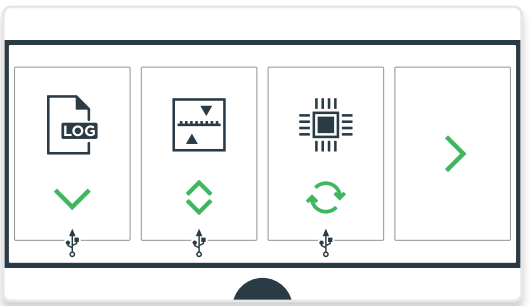
REAL-TIME STATS

Real-time graphs and graphs history



CHANNELS SETTINGS

Reading and setting of setpoints for the 10 channels



LOG MANAGEMENT

Large storage and download option

Centurio does not suffer data loss when disconnected from the power supply

CHANNELS

UP TO 10 CHANNELS (6 ANALOGS)

- CONDUCTIVITY
- INDUCTIVE CONDUCTIVITY
- pH
- ORP
- OPEN AMPEROMETRIC CELLS
- TRACERS
- mA INPUT
- TURBIDITY
- POTENTIOSTATIC (BROMINE/CHLORINE)
- DISSOLVED OXYGEN
- LASER LEVEL SENSOR
- CORROSION

CLOSED AMPEROMETRIC CELLS

- CHLORINE DIOXIDE
- FREE CHLORINE
- TOTAL CHLORINE
- HYDROGEN PEROXIDE
- OZONE
- PERACETIC ACID
- BROMINE
- CHLORITES