CENTURIO

5 YEARS WARRANTY

MADE IN ITALY

CENTURIO

PRO - POOL - TOWER

cod. 20210790

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emec®
SIMPLE AS WATER

CENTURIO

Dosing systems at your command

MODBUS · ETHERNET · WIFI · USB PORT · DIGITAL SERVICES · ONLINE STATS · CUSTOMIZABLE · APP

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

- 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

- Proven immunity to electromagnetic interferences
- Maximum protection against dust and water jets (IP65)
- Additional security features such as external whatchdog and power failure log

NEW CPU

- CPU: Quad core Arm® Cortex® A55 (ARMv8) 64 bit @ 1.8 GHz
- GPU: Arm MaliTM G52 2EE, OpenGL® ES1.1/2.0/3.0/3.1/3.2, Vulkan® 1.1, OpenCLTM 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

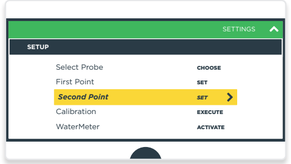
OUTPUTS
- 8 proportional outputs
- 6 on/off outputs
- 2 “freecontact” on/off outputs
- 6 current outputs

NEW TOUCH DISPLAY

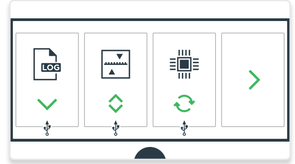
4,3” LVDS LCD FULL COLOR DISPLAY

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