CENTURIO

5 YEARS WARRANTY

MADE IN ITALY

# CENTURIO

## PRO - POOL - TOWER

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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

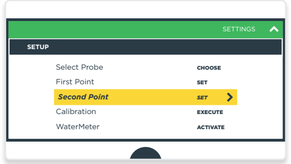
**OUTPUTS**
- 8 proportional outputs
- 6 on/off outputs
- 2 “freecontact” on/off outputs
- 6 current outputs

# NEW TOUCH DISPLAY

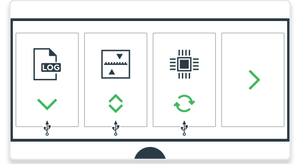
## 4,3” LVDS LCD FULL COLOR DISPLAY

### 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