



# MAESTRO XC CONTROLLER



**100**  
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## ONE CONTROLLER SERVES ALL

**Maestro XC** is a **fully-integrated** compressor control device. No necessity for expansion-cards or upgrades. The controller is equipped with the latest **“full-feature”** software. No risks, no worries.

Maestro XC is available in two versions:

- ✓ with 7" touch-screen
- ✓ with 10" touch-screen

## FLEXIBILITY AND INTEGRATION

**Data-exchange is immediate.** The controller can be **directly integrated** into the LAN of existing Maestro XB and Maestro XS devices. Furthermore, with compatible hardware interfaces the unit can be networked to any commercially available control device on the market.



## CONNECTIVITY

The machine is connected via an Ethernet port providing access to the **Mattei XCloud internet portal**. Should a standard internet connection be unavailable, a ready-to-use Mattei 3G modem is available. The system is also equipped with a Modbus TCP protocol port to aid local network connection.

## WEB-BASED MATTEI XCLOUD

Thanks to remote control of the installation via the **Mattei XCloud** internet portal, Maestro XC meets all IoT, 4.0 requirements. The system interacts with the remote operator, automatically providing status information on the compressor being monitored. Access to all operating parameters for analysis purposes, efficiency monitoring and maintenance status is readily available. The system is protected by a personalised password for each user and can be interrogated by standard web browsers.

## IMMEDIATE VERIFICATION

The screen has a high-resolution color graphic display with a high level of sensitivity, reacting to the user's touch. The display is easy to use and clearly laid out, allowing monitored parameters from the *Home* menu to be grouped by function and location. Possible system-anomalies are immediately highlighted, displaying the area of the compressor emitting the irregularity. Alarm or shut-down parameters are clearly communicated to eliminate any doubt or confusion.

The user is provided with **total overview of the machine** and at a touch can access further levels to obtain greater individual analysis detail.

## SAFETY AT YOUR FINGERTIPS

Access security can be performed via a USB-key, without the need to enter a password. This USB-key serves as an additional hardware key to access the various sub-menus, whilst also allowing the user to download data from the terminal quickly and efficiently.

## IoT INDUSTRY 4.0: THINK GREEN

Thanks to the remote-control feature, constant real-time monitoring of the compressor and management of on-board devices such as inverters, fans and electronic thermostatic valves, controlled by Maestro XC becomes a reality for all **new-generation Mattei machines. A direction clearly targeted to the support of a greener future.**

Improvements in the overall efficiency of the compressor, combined with better preventive maintenance help reduce wasted energy and global warming.

## TECHNICAL SPECIFICATIONS

	XB III	XS	XC
Working temperature	- 20 + 60 °C	- 40 + 70 °C	- 20 + 60 °C
Relative humidity	90% H.R.	< 90% H.R.	90% H.R.
Analog inputs	2 (1)*	4 (8)*	20
Inputs 4 ÷ 20 mA	1	2 (2)*	9
NTC-Inputs	1 (1)*	2 (6)*	10
PTC / Digital input	1	0	1
Digital inputs	7 (1)*	6 (8)*	12
Analog outputs	2 (2)*	3 (1)*	3
Digital outputs	5 (2)*	5 (7)*	12
Protocol	ModBus RTU	ModBus RTU	ModBus RTU
RTC-Module	YES	Integrated	Integrated
Type	LCD-Display	LCD-Display	Capacitive touch
Graphic resolution	-	132 x 64	800 x 480 WVGA
Degree of protection	IP64 Frontal	IP65 Frontal	IP66 Frontal
RAM-Memory	2 KB	2 MB	1GB
FLASH-Memory	128 KB + 512 KB	-	4GB
Memory expansion card	-	-	SD-Card
Ethernet ports	-	-	3
USB-Ports	-	-	2
Serial Ethernet (Programmable)	-	-	1

\* Via expansion module

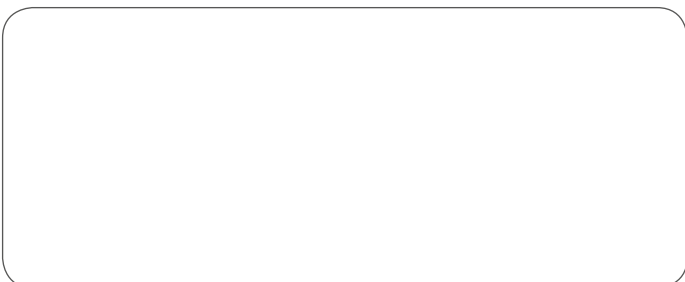


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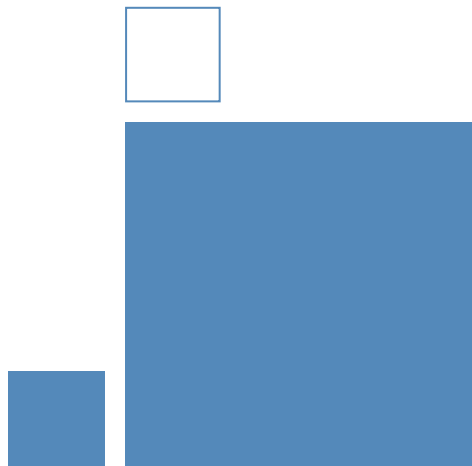
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REV. 0



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