Millenium 3 Smart and new AC7 V2.5 software workshop: Concentrated performance for your PLCs

With 12 years' experience in logic control, Millenium 3, the third generation of Crouzet controllers, today represents a complete solution which has now been rebranded: the Standard range is now "Essential" and the Custom range has been renamed “Smart”. Millenium 3 Smart single-handedly demonstrates the best a controller has to offer, with a maximum number of functions capable of handling the most sophisticated applications.

The new version 2.5 of the AC7 software workshop will optimise the efficiency of graphic programming. Creating an automation project has never been so simple!

A truly intelligent smart relay, Millenium 3 is available in multiple versions: compact, expandable, with bare board for integration, resin board, etc, on top of which there are more than 200 sensor and accessory part numbers, and also more than 130 function blocks dedicated to creating simple or advanced automation systems.

With the Millenium 3 third-generation family of logic controllers, building industry professionals, integrators and OEMs will discover an emancipated offer which can now hold its own in comparison with small PLCs.

Millenium 3 is the ideal solution for numerous applications in a very diverse range of sectors:

- Building (access control, energy management, pumping, etc);
- Infrastructure (water management and treatment, irrigation, street lighting, etc);
- Industry (lifting systems, materials handling, special machines, etc);
- Medical (laboratory equipment, fluid processing);
- Transport (control equipment onboard a bus or lorry).

Essential or Smart: Millenium 3 is repositioning itself

In order to highlight the of range’s potential, Millenium 3 Custom has been renamed "Millenium 3 Smart". It can be used to create advanced applications, using its numerous functions. Millennium 3 Smart has become the core product in the Crouzet controller range. Millenium 3 Standard is now called "Millenium 3 Essential".
Smart combines all the latest innovations

Millenium 3 Smart has a blue screen, making the display easier to read (4 lines of 18 characters).

On the front panel, its programmable keys can very easily be used to create a user-friendly operator interface, directly linked to the application. The module can be used in a temperature range which has now been extended to between –20 and +70°C.

From now on, Millenium 3 Smart can take up to 76 memory slots for application-specific functions. This makes it easier to create complex applications. Features such as this position Millenium 3 Smart in the Nano-PLC family. But still with unrivalled ease of programming! Finally, Millenium 3 Smart has a memory capacity of 700 blocks.

New M3 Soft AC7: a more user-friendly software workshop

Products in the Millenium 3 range are simple to program using the new AC7 software workshop, available as a free download. In this way, professionals who are not automation engineers are able to install simple or even advanced control systems. Millenium 3 users should update their AC7 software workshop with version 2.5 (still free of charge). Only this new version can be used to program controllers manufactured after June 2011, as they will have new built-in electronic components, guaranteeing enhanced performance!

“The launch of the version 2.5 software workshop marks a major step forward in terms of user-friendliness, explains André Chovin, the Automation range product manager. The tabs are now organised so that the function blocks are more logically arranged. This is a significant advance as far as users are concerned".

From now on, blocks are arranged in categories (calculation, logic, I/O, human-machine interface, etc). A new "Macro" tab means macro enhancements can be arranged in the same way as function blocks. In addition, the user can rename 6 tabs as "favourites" and for example place his most commonly used function blocks and macros in them.

AC7 version 2.5 runs in Windows XP or Windows 7 (32 or 64-bit).
Accuracy of simulation and high-performance monitoring

In addition to its capacity to design a simple or complex automation application just using the mouse (without entering a single line of code), the software workshop incorporates a powerful simulator. The software workshop can in fact be used to simulate and test its own applications virtually before they are even loaded onto a Millenium 3. This offers two main advantages:

• The application is programmed very early in the project validation process;
• The most suitable Millenium 3 controller for the application being developed is chosen in an optimised way.

At this stage in debugging the installation, the “Monitoring” mode intervenes. This mode is used to check the application on the PC while it is running. To do this, the computer is linked to the Millenium 3 via a USB cable or a Bluetooth dongle connected to the logic controller. The application designer is thus able to analyse visually how the program runs in the controller, and adjust parameters, force levels in the program, etc.

Widely recognised for over 50 years as the specialist in electromechanical, electronic technology and software engineering, Crouzet Control Technologies’ experience in time management, physical and mechanical values has resulted in an extensive automation components offer that includes logic controllers, timers, control relays, counters, ratemeters, machine safety equipment, and temperature controllers.

Simple to use, Crouzet products are easy to program and install.

With operations around the globe, Crouzet is constantly monitoring its customers’ needs. Its sales teams, technicians and designers combine all their skills to adapt products to customer specifications, both in terms of the application and cost. Crouzet also ensures that its products are manufactured in compliance with quality and environmental standards (factories certified ISO 9001, 14001 and OHSAS 18001, eco-design).

With its industrial and logistic flexibility Crouzet is able to deliver products, whether small-scale or mass production items, in the best possible timescale.

CUSTOM SENSORS & TECHNOLOGIES (CST) is a specialist in sensors, controllers and actuators.

Through its BEI Kimco, BEI Sensors, BEI PSSC, Crouzet, Crydom, Kavlico, Newall and Systron Donner brands, CST offers reliable, adaptable, high-performance components to meet the needs of critical systems in the industrial, aerospace and transport markets.

The CST group, with more than 4000 employees worldwide and sales of 530 M USD in 2009, is committed to excellence. It is a trusted partner that can meet the challenges of customers’ most stringent requirements, based on a real premium value offering.

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