Controlling processes without SPC

With the Hesch multifunction controller HE 5697 MFC with CAN communication, every process engineer is able to create complex sequential controls by theirself. And they do not need programming skills like they are necessary for an SPC (common stored program control).

No programming skills necessary: With the multifunction controller, process engineers can create their program control by themselves on the PC (Photo: Hesch)

The participants of the practical seminar in Oberhausen (Germany) just recently learned more about the functionality and possibilities of the MFC. The controller works just like a process engineer thinks: in functional blocks. This is why the product is easier to operate than a SPC. This can save hiring expensive software engineers who adapt the control to their needs.

The device offers numerous ways of communication for example via CAN. Profinet Class A, Profibus DP Slave, Modbus RTU Master, Modbus RTU Slave, Modbus TCP Client, Modbus TCP Server, or HPR Bus Master are also provided. Further protocols can be operated on request. 2 GiB internal memory are available for log data.

The MFC can control devices such as freezers, melting furnaces, pumps, and vessels. The controller has more than 100 completed and tested functional blocks for almost all processes. For creating a control including automation technology, the user must arrange the correct function blocks via Drag and Drop on the PC to create the desired processes and connect them via mouse click. If modifications in the process occur, the control can be adapted.

The participants of the seminar learned complex functions of the engineering tool Easytool MFC and were already able to apply their skills on laptops (Photo: Hesch)

The controller is operated via a touch display, which is equipped with four softkeys and two programmable LEDs for status indication. For creating the control, the company offers the software Easytool MFC. Interested parties can download the software after registration on the product website and can test it for an unlimited period of time.

Since program version 1.5, up to 20 different languages can be integrated at the same time, so that the controller can be implemented worldwide. Himod modules, such as special modules for particular sensors and functions, are a perfect match to the I/O layer of the MFC, said the company. Apart from their products, Hesch offers services for the customers, e.g. trainings and free seminars.

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