

**Q&A English Webinar – N1050**

**QUESTIONS & ANSWERS**

Below we present the list of Questions and Answers from the N1050 webinar on Nov, 06<sup>th</sup>.

Issue	Question	Answer
Application	Does it have manual control? For which applications can it be used?	Yes, it has manual control. This feature can be used for slow and sensible processes and also for commissioning and maintenance of devices linked to the control.
Application	Will N1050 replace the N1200?	No, N1050 is at the medium level on the NOVUS portfolio, in the same level of N480D.
Application	For a price comparison, will it be more close to the N1040 or the N480D?	The price will be close to the N480D as it has similar functionalities to the N480D and more added value than the N1040.
Certification	Can I use the N1050 for ATEX customer application combination?	Unfortunately, the product is not ATEX or ICEx certified. However, some customers would accept it if mounted into a flameproof panel.
Configuration	Can I see the auto-tuning parameters after setting?	Yes, after the auto-tuning process is finished, the PID parameters are automatically updated. The user can check the parameters Pb, Ir, and Dt.
Configuration	For USB configuration, is there any set-button like Airgate?	No, NConfig can discover the N1050 directly and automatically through the USB.
Configuration	With the N1050 mounted in the panel, is it still possible to connect the USB cable?	Yes, but only from inside of the panel. The USB connector is on the left side of N1050 enclosure.
Configuration	Is there a way to disable or remove the parameters on display that the operator will not use in the operational cycle menu?	Yes, there are 10 screens in the operational cycle menu. Most of them can be hidden according to its enable/disable function, depending on if the respective parameter will be used in the control. For example, if the user will not use the timer function, disabling it, all related screens to a timer in the operational cycle will be hidden. So, we can say N1050 is context-sensitive.
Configuration	What is the function of this new F (function) key?	F key can be configured to any of 2 modes: the first mode is: start/pause/reset the timer and the second mode is to hold/resume the program of ramps and soaks.
Configuration	Does the controller have a heating and cooling mode?	Yes, it has a reverse control function for heating and a direct control function for cooling.
Hardware	Why is there currently migration from the format mini USB to micro USB?	We are trying to standardize to the micro USB format for all products, making it the same for the whole product range. The mini USB connector is becoming obsolete.
Inputs	Are there plans to introduce a version with an NTC or Pt1000 input?	We will be verifying this possibility for a future release, thanks for the feedback.
Inputs	Does it accept the analog input?	No, only temperature sensors.
Operation	Injection molding control needs dual control (heating + cooling) often. Is it possible?	Unfortunately not in this model. You can set the main control to heating and use an alarm to colling.
Operation	Will there be an N1050T version for an application with a timer function requirement?	No, the N1050 already comes with two timers and can be used for such applications.
Operation	What happens if a power outage occurs while running a ramp and soak program?	There is a configurable parameter that defines what to do in a power-up from a power outage – 4 options: restart at the beginning of the program, restart at the beginning of the segment, restart from the exact point in the segment and return with control output off.
Operation	Does N1050 control temperature and timer one at a time or independently?	It is possible to control both variables, temperature, and timer, in separated outputs. There is a way to link them:

		disables the control right after Timer1 and Timer2 expiration or starts the control when the timer starts.
Outputs	Will there be a model with the analog output?	Yes, NOVUS will release a new model with analog retransmission on Q1 2020.
Protection	Does the N1050 have password-protected levels?	Yes, N1050 has 8 levels of password protection.
Software	Is the software freeware?	Yes, the N1050 is fully compatible with the free NConfig software.
Specification	With this new LCD display, is there an increase in power consumption?	No, in fact N1050 has the lower power consumption against the competition: just 6 VA.
Specification	What are the characteristics of the display?	It is an LCD display with backlight, 11-segment mnemonics and a 13 mm height digit.