ASCON TECNOLOGIC

EVERYTHING UNDER CONTROL

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visualPAC vP4

The complete and compact controller

VISUALPAC is a multi-loop controller capable of executing programming logic with a simple and intuitive interface, tailored to your machines.

It is the ideal solution for the control and automation of each machine, as it integrates:
- a 4.3 "graphical operator interface
- a PLC programmable controller
- I / O channels
- management of PID regulations

all available in one compact device.

VISUALPAC is freely programmable with all 5 IEC 61131-3 languages and has several ready-to-use function block libraries to simplify programming.

HMI+PLC+I/O+PID=vPAC

FEATURES:

3	2	8	8	2	1
analogue inputs	analogue outputs	digital inputs	transistor digital outputs	Ethernet for external communication	USB for datalog

Not just hardware... but all the support you need.

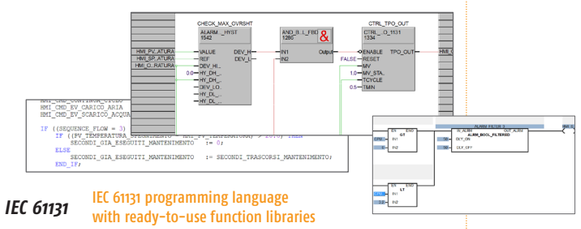
Our Product Managers and Field Application Engineers are qualified and experienced interlocutors able to support you from the first phase of defining the specifications to the creation of dedicated applications and then in the creation of the first prototypes up to functional testing, advising you on the best technical choices for your machines.

The flexibility of ***VISUALPAC*** makes it possible to show on the interface only what you need and how you want it.
It is not you who have to adapt to standard solutions, but the solution adapts to your machines.

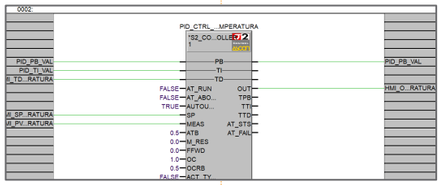
The ease of use of your machines means reducing the support activities for your customers.
This is why ***VISUALPAC*** can be considered the "cost effective" solution par excellence.

Ascon Tecnologic's control systems include devices that meet the requirements of the national Transition 4.0 plan.
The use of PLCs, the simple and intuitive HMI and the adaptability guaranteed by the PID algorithms are in fact binding requirements.

Customizable Hardware



IEC 61131 IEC 61131 programming language with ready-to-use function libraries



PID LIBRARY Guarantee of accurate control with Ascon Tecnologic's complete PID library

	vP4
HMI	4.3"TFT Resistive, 480 x 272, 65526 colours, brightness 450 cm/m², memory 128 MB Flash, 128 MB RAM
CPU	Processor ARM Cortex H7 32bit, 386MHz Memory 512 kB SDRAM, 8 KB NVRAM
PROGRAMMING	Standard languages IEC61131-3 (Function block diagram, Ladder diagram, Structured text, Instruction list, Sequential Function Chart)
COMMUNICATION PORTS	1 serial port RS485, 2 Ethernet ports 10/100, 1 USB port Modbus RTU (m/s) protocoll, Modbus TCP, Client/Server
ANALOGUE INPUTS	Up to 3 analogue channels selectable among: Thermocouples, PT100, PT1000, NTC, Voltage (0/1...5V, 0/2...10V), Current (0/4...20mA) Resolution 16 bit Accuracy 0.5%
DIGITAL INPUTS	Up to 6 digital channels + 2 CNT Sink type IEC61131-2 type 3 Protection: reverse polarity e overvoltage Up to 2 digital channels counter max 5KHz, sink type IEC61131-2 type 3
ANALOGUE OUTPUTS	Up to 2analogue channels Current (0/4...20mA), Frequency (PWM)