



Vision 280TM

PLC with integrated Touch-screen LCD Graphic HMI

The PLC with Snap-in I/Os

- Up to 158 I/Os (33 on-board)
- Database enables data logging/ Production recipes
- 8 independent PID loops
- Windows-based Ladder Logic software
- Ladder code memory: 192K
- Execution time: 0.5µsec for bit operation

The Touch-screen Graphic HMI

- LCD illuminated resistive analog touchscreen
- 27-key keyboard
- Full-graphic display, resolution 320 x 240 (Quarter VGA)
- Up to 255 user-designed displays
- Multiple alarm/operator instructions per display
- Easy scrolling between pre-programmed recipes/menus
- "Message board" function using pen input

Communication & Networking

- 2 RS232 ports + 1 RS485 port
- CANbus port
- MODBUS, Master/Slave
- GSM/SMS Support
- Remote access via modem

An integrated HMI: a built-in advantage

- One programming environment for both PLC and HMI
- Eliminates PLC-HMI communication
- Saves I/O points, reduces hardware
- Simplifies assigning functions to keys and data entry via the keyboard
- Requires less wiring and less space



Product Specifications

Graphic Display Screen	
Type	Black & White, ESTN LCD
Illumination backlight	CCFL (fluorescent lamp)
Display resolution	320 x 240 pixels (QVGA)
HMI displays	Up to 255
Screen Dimensions	4.7", 120mm (active area)
Touch-Screen	Analog, resistive
Keyboard	
Number of Keys	27, user-labeled, additional soft keys
Program	
Ladder Code Memory	192K
Execution time for bit operation	0.5µsec
Memory Bits (coils)	1024
Memory Integers (registers)	1024
Long Integers (32 bit)	256
Double Word (unsigned)	64
Timers (32 bit)	128
Communication	
RS232	2 ports
RS485	1 port
CANbus	1 port
MODBUS	Supports MODBUS protocol, Master/Slave
GSM/SMS	Up to 8 phone numbers

General	
Power Supply	12VDC or 24VDC
Battery Back-up	7 year typical battery back-up for all memory and real-time clock (RTC)
Dimensions	10.24" x 6.102" x 2.835" 260mm x 155mm x 72mm
Environment	IP65/NEMA4X (front panel, when mounted)
Snap-in I/O	
Digital Inputs	16 pnp/npn Inputs (24VDC)
Analog Inputs	Three 10 bit Inputs, 0-10V, 0-20mA, 4-20mA
Digital Outputs	4 pnp/npn Outputs (24VDC), 10 Relay Outputs
High-speed counter/ Shaft-encoder/ Frequency measurer	Two 10 kHz pnp/npn Inputs
High-speed Output/ PWM	2 Outputs, 50 kHz for npn/ 2 kHz for pnp
Article Number*	V280-18-B211

*V280-18-B201: Same as V280-18-B211, without Snap-in I/Os

The Vision package includes:

PLC with graphic HMI, Snap-in I/O Module (optional), programming software, mounting hardware, connectors, extra set of key labels, communication cable & user guide.