

Product Specifications and Ordering Information

	V230	V260
Graphic Display Screen		
Type	STN LCD	Negative blue STN LCD
Illumination Backlight	LED, yellow-green	CCFL (Fluorescent lamp)
Display Resolution	128 x 64 pixels	240 x 64 pixels
HMI Displays	Up to 255	Up to 255
Keyboard		
Number of Keys	24, user-labeled, includes soft keys & numeric keypad	33, user-labeled, includes soft keys & numeric keypad
Program		
Application Memory	1000K	
Execution Time for Bit Operation	0.5µsec	
Memory Bits (coils)	4096	
Memory Integers (registers)	2048	
Long Integers (32 bit)	256	
Memory Floats	24	
Double Word (32 bit unsigned)	64	
Timers (32 bit)	192	
Counters	24	
Data Tables	Up to 120K (RAM), 64K (Flash)	
Communication		
RS232/RS485	2 RS232 ports + 1 optional RS232 or RS485 (see additional communication modules)	
Ethernet	1 port (optional - see additional communication modules)	
CANbus	1 port	
MODBUS	Supports MODBUS protocol, Master/Slave	
GSM/CDMA	SMS messages to/from any quantity of phone numbers, Remote Access-enabled	
GPRS	Use a GPRS modem to establish a Vision-PC data connection via Internet, and transmit IP packets of data over the cellular network, SMS-enabled	
General		
Power Supply	12VDC or 24VDC	
PID	Up to 12 independent PID loops, including internal auto-tune, ramp-soak programmer and bumpless transfer (up to 32 loops without auto-tune)	
Battery Back-up	7 year typical battery back-up, at 25°C, for all memory sections and real-time clock (RTC)	
Environment	IP65/NEMA4X (front panel, when mounted)	
Expansion option	Up to 128 additional I/Os, via plug-in expansion modules (No. of I/Os may vary according to expansion model)	
Dimensions	184 x 155 x 61.4 mm (7.24" x 6.1" x 2.4")	260 x 155 x 72 mm (10.24" x 6.1" x 2.8")
Article Number	V230-13-B20B	V260-16-B20B

Snap-in I/O Modules

Article Number	V200-18-E1B	V200-18-E2B	V200-18-E3XB ²	V200-18-E4XB ²	V200-18-E5B ²
Digital Inputs (Isolated)	16 pnp/npn Inputs (24VDC)	16 pnp/npn Inputs (24VDC)	18 pnp/npn Inputs (24VDC)	18 pnp/npn Inputs (24VDC)	18 pnp/npn Inputs (24VDC)
High-speed Counter/Shaft Encoder/Frequency Measurer ¹	Two 10 kHz pnp/npn Inputs	Two 10 kHz pnp/npn Inputs	Two 10 kHz pnp/npn Inputs	Two 10 kHz pnp/npn Inputs	Two 10 kHz pnp/npn Inputs
Analog Inputs	Three 10 bit Inputs, 0-10V, 0-20mA, 4-20mA	Two 10 bit Inputs, 0-10V, 0-20mA, 4-20mA	Four Isolated 14 bit Inputs, 0-10V, 0-20mA, 4-20mA. May also be set to Thermocouple or PT100 (Res. 0.1°)	Four Isolated 14 bit Inputs, 0-10V, 0-20mA, 4-20mA. May also be set to Thermocouple or PT100 (Res. 0.1°)	Three 10 bit Inputs, 0-10V, 0-20mA, 4-20mA
Temperature Measurement	None	None	Thermocouple or PT100 (Res. 0.1°)	Thermocouple or PT100 (Res. 0.1°)	None
Digital Outputs (Isolated)	4 pnp/npn Outputs (24VDC) 10 Relay Outputs	4 pnp/npn Outputs (24VDC) 10 Relay Outputs	2 pnp/npn Outputs (24VDC) 15 Relay Outputs	2 pnp/npn Outputs (24VDC) 15 pnp Outputs (24VDC)	2 pnp/npn Outputs (24VDC) 15 pnp Outputs (24VDC)
High-speed Output/ PWM	2 Transistor Outputs are high-speed outputs, 50 kHz for npn / 2 kHz for pnp				
Analog Outputs	None	Two 12 bit Outputs, 0-10V, 0-20mA, 4-20mA	Four Isolated 12 bit Outputs, 0-10V, 4-20mA	Four Isolated 12 bit Outputs, 0-10V, 4-20mA	None

Additional communication modules

Add one of the following COM ports:

Article Number	
V200-19-ET1	1 Ethernet port
V200-19-R4	1 RS485 port
V200-19-RS4-X ²	1 RS232/RS485 port (Isolated)



¹ Certain digital inputs can function as high-speed counters, shaft-encoder inputs, frequency measurers or normal digital inputs.

² V200-18-E3XB, V200-18-E4XB, V200-18-E5B and V200-19-RS4-X are not yet UL certified.