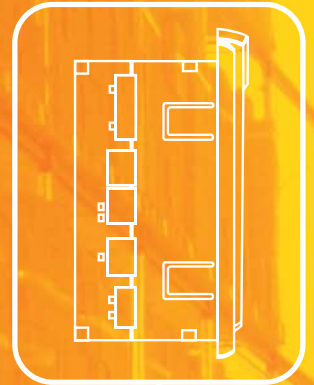# Vision530™

PLC & Touchscreen HMI

FILLING SYSTEM

PLC FEATURES

- I/O options: via onboard and expansion modules including high-speed I/Os, temperature & weigh measurement
- Application Logic: 1MB
- Scan time: 30µsec per 1K of typical application
- Auto-tune PID, up to 12 independent loops
- Recipe programs and datalogging via Data Tables

HMI FEATURES

- 5.7" Touchpanel, QVGA
- Up to 255 displays, hundreds of images per application
- Image library containing hundreds of images
- HMI graphs and trends
- Virtual alpha-numeric keypad

COMMUNICATION OPTIONS

- Ethernet via TCP/IP
- Cellular remote control
- MODBUS (Master/Slave)
- CANopen (Master) and UniCAN
- Remote access utilities

UNITRONICS®

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CHOOSE YOUR VISION

A SELECTION OF VISION SERIES PLCs WITH TOUCHPANEL HMIs

	Vision280™	Vision290™	Vision530™	Vision570™
Touchscreen Display				
Display Type	Black & White FSTN LCD			256 colors TFT LCD / CSTN LCD
Display Resolution & Size	320 x 240 pixels (QVGA), 4.7" active area	320 x 240 pixels (QVGA), 5.7" active area		
Touchscreen	Resistive, analog			
HMI Capacity	255 displays, hundreds of images per application			1024 displays, 500 of images per application
Program				
Application Memory	1MB			Application Logic: 2MB • Images: 6MB • Fonts: 1MB
Scan Time	30 µsec per 1K of typical application			9 µsec per 1K of typical application
Memory Bits (coils)	4096			
Memory Integers (registers)	2048			
Long Integers (32 bit)	256			
Double Word (32 bit unsigned)	64			
Memory Floats	24			
Timers	192			
Counters	24			
Data Tables	120K dynamic data (recipe parameters, datalogs, etc.), 192K fixed data (read-only data, ingredient names, etc.)			
Communication				
Serial COM Ports	2 RS232		1 RS232 & 1 RS232/RS485	2 isolated RS232/RS485
Ethernet (optional- see additional COM port)	Ethernet via TCP/IP supports: PC to PLC remote access and programming • MODBUS: PLC to PLC, and PLC to external device • Protocol FB: PLC to any external device			
Additional COM Port	1 port (sold separately). Add an Ethernet, RS232/RS485 or isolated RS232/RS485 port to your Vision PLC.			
CANbus Port	1 isolated port			
CANopen	CANopen Master, supports PDO, SDO, NMT. CiA DS 301			
UniCAN	Multi-master CANbus. Network up to 60 Visions and transfer up to 1024 bytes per program scan			
MODBUS	Supports MODBUS protocol, Master/Slave			
GPRS	Access your Vision using a remote PC, via wireless data transmission, SMS enabled			
GSM	SMS messages to/from any quantity of phone numbers			
I/O Options				
Snap-in I/O Modules	Plug these modules directly into the back of the Vision unit to create a self-contained PLC with up to 43 local I/Os. Inputs may include Digital, Analog and Temperature Measurement. Outputs may include Transistor, Relay or Analog (sold separately).			
Expansion Option	Up to 128 additional I/Os, via plug-in expansion modules (sold separately. number may vary according to expansion model)			
General				
PID	Up to 12 loops			Up to 20 loops
	Independent PID loops, including internal auto-tune, ramp-soak programmer and bumpless transfer			
Power Supply	12/24VDC			24VDC
Battery Back-up	7 years typical at 25ºC, back-up for all memory sections and real-time clock (RTC)			
Environment	IP65/NEMA4X (for panel, when mounted)			
Article Number	V280-18-B20B	V290-19-B20B	V530-53-B20B	V570-57-T40B (TFT) • V570-57-C30B (CSTN)

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