

Color your *Vision*TM

Vision570TM PLC & Color HMI



Vision570™ PLC & Color touchpanel HMI

Add a splash of color to your automated system. A drop of paint to your process. Watch the operator interface spring to life, & the operator instructions become bright & clear.

The new Vision570™ integrated PLC & HMI enables you to add color into your system while cutting programming time, hardware, wiring, & space requirements.

Red-hot PLC Features

- I/O options: via snap-in & expansion modules including HS I/Os, temperature & weight measurement
- Application memory: 2MB • Fonts: 1MB • Images: 6MB
- Scan time: 9µsec per 1K of typical application
- Auto-tune PID, up to 20 independent loops
- Recipe programs & datalogging via Data Tables

Cool-blue HMI Features

- 5.7" Color Touchpanel, QVGA
- 256 colors, TFT LCD display
- Up to 1024 displays & 500 images per application
- HMI graphs - color-code application trends
- Image library containing hundreds of images
- Virtual alpha-numeric keypad

Green-light Communication

- Ethernet via TCP/IP (optional)
- GPRS/GSM/SMS support
- MODBUS (Master/Slave)
- CANopen (Master) & UniCAN
- Remote access utilities
- 2 isolated RS232/RS485 ports

The Vision570™ package includes:

PLC with embedded HMI Color touchscreen, programming software CD, connectors, mounting hardware, and communication cable.





Ethernet via TCP/IP

Vision's optional Ethernet port enables you to use existing LAN wiring to communicate with remote devices via MODBUS, or any other TCP/IP device protocol.

Use the Ladder Function Blocks to easily implement:

- PLC to PLC data exchange
- Access to external slave devices that support TCP/IP
- SCADA control (PC access) via MODBUS IP or OPC



Cellular Remote Control

The Vision570™ can send & receive SMS messages to/from any GPRS/GSM cellular phone. The controller can send an SMS to report events. You can send an SMS to the controller in order to modify parameters in your system, or to request information.

The GPRS/GSM-enabled Vision570™:

- Sends & receives SMS messages containing both fixed text and variable data
- Sends messages to any number of phone numbers, & routes different messages to different numbers
- Protects your system: prevents unauthorized callers
- Auto-acknowledges received messages
- Answers data requests from your cell phone
- Contains up to 1K of user-defined messages



Remote Access

Use your PC to access remote Vision570™ units, via network connections, Ethernet or GPRS/GSM/Landline modem.

Powerful Remote Access utilities enable you to operate the controllers (via Ladder software, or independently), download or debug PLC programs, read/write/store online operands and database values, & send application data to Excel according to a user-defined schedule.



MODBUS

Create a stable multi-device network over TCP/IP or serial wiring. Establish master-slave communications between Vision570™ and any connected device that supports MODBUS protocol. Any Vision570™ in the network can function as either master or slave.

CANbus

CANopen

Communicate with remote devices, ranging from simple, fast I/O-related devices such as encoders, to complex frequency converters. Compliant with CiA DS 301.

UniCAN

Use Unitronics' protocol to integrate up to 60 PLCs into a high-speed network, and to transfer up to 512 Ml register values during a single program scan.



Broadcast objects of the CANopen Predefined Connection Set		
Object	Function code (SClass 18.2)	COB-ID
1207 (Node-Number)	0x00	0x00
ETOP	0x01	0x01
Time Stamp	0x02	0x02

Peer-to-Peer objects of the CANopen Predefined Connection Set		
Object	Function code (SClass 18.2)	COB-ID
EMERGENCY	0x04	0x04-0x05
0x01 (Node-Number)	0x05	0x05-0x06
0x02 (Node-Number)	0x06	0x06-0x07
0x03 (Node-Number)	0x07	0x07-0x08
0x04 (Node-Number)	0x08	0x08-0x09
0x05 (Node-Number)	0x09	0x09-0x0A
0x06 (Node-Number)	0x0A	0x0A-0x0B
0x07 (Node-Number)	0x0B	0x0B-0x0C
0x08 (Node-Number)	0x0C	0x0C-0x0D
0x09 (Node-Number)	0x0D	0x0D-0x0E
0x0A (Node-Number)	0x0E	0x0E-0x0F
0x0B (Node-Number)	0x0F	0x0F-0x10
0x0C (Node-Number)	0x10	0x10-0x11
0x0D (Node-Number)	0x11	0x11-0x12
0x0E (Node-Number)	0x12	0x12-0x13
0x0F (Node-Number)	0x13	0x13-0x14
0x10 (Node-Number)	0x14	0x14-0x15
0x11 (Node-Number)	0x15	0x15-0x16
0x12 (Node-Number)	0x16	0x16-0x17
0x13 (Node-Number)	0x17	0x17-0x18
0x14 (Node-Number)	0x18	0x18-0x19
0x15 (Node-Number)	0x19	0x19-0x1A
0x16 (Node-Number)	0x1A	0x1A-0x1B
0x17 (Node-Number)	0x1B	0x1B-0x1C
0x18 (Node-Number)	0x1C	0x1C-0x1D
0x19 (Node-Number)	0x1D	0x1D-0x1E
0x1A (Node-Number)	0x1E	0x1E-0x1F
0x1B (Node-Number)	0x1F	0x1F-0x20
0x1C (Node-Number)	0x20	0x20-0x21
0x1D (Node-Number)	0x21	0x21-0x22
0x1E (Node-Number)	0x22	0x22-0x23
0x1F (Node-Number)	0x23	0x23-0x24
0x20 (Node-Number)	0x24	0x24-0x25
0x21 (Node-Number)	0x25	0x25-0x26
0x22 (Node-Number)	0x26	0x26-0x27
0x23 (Node-Number)	0x27	0x27-0x28
0x24 (Node-Number)	0x28	0x28-0x29
0x25 (Node-Number)	0x29	0x29-0x2A
0x26 (Node-Number)	0x2A	0x2A-0x2B
0x27 (Node-Number)	0x2B	0x2B-0x2C
0x28 (Node-Number)	0x2C	0x2C-0x2D
0x29 (Node-Number)	0x2D	0x2D-0x2E
0x2A (Node-Number)	0x2E	0x2E-0x2F
0x2B (Node-Number)	0x2F	0x2F-0x30
0x2C (Node-Number)	0x30	0x30-0x31
0x2D (Node-Number)	0x31	0x31-0x32
0x2E (Node-Number)	0x32	0x32-0x33
0x2F (Node-Number)	0x33	0x33-0x34
0x30 (Node-Number)	0x34	0x34-0x35
0x31 (Node-Number)	0x35	0x35-0x36
0x32 (Node-Number)	0x36	0x36-0x37
0x33 (Node-Number)	0x37	0x37-0x38
0x34 (Node-Number)	0x38	0x38-0x39
0x35 (Node-Number)	0x39	0x39-0x3A
0x36 (Node-Number)	0x3A	0x3A-0x3B
0x37 (Node-Number)	0x3B	0x3B-0x3C
0x38 (Node-Number)	0x3C	0x3C-0x3D
0x39 (Node-Number)	0x3D	0x3D-0x3E
0x3A (Node-Number)	0x3E	0x3E-0x3F
0x3B (Node-Number)	0x3F	0x3F-0x40
0x3C (Node-Number)	0x40	0x40-0x41
0x3D (Node-Number)	0x41	0x41-0x42
0x3E (Node-Number)	0x42	0x42-0x43
0x3F (Node-Number)	0x43	0x43-0x44
0x40 (Node-Number)	0x44	0x44-0x45
0x41 (Node-Number)	0x45	0x45-0x46
0x42 (Node-Number)	0x46	0x46-0x47
0x43 (Node-Number)	0x47	0x47-0x48
0x44 (Node-Number)	0x48	0x48-0x49
0x45 (Node-Number)	0x49	0x49-0x4A
0x46 (Node-Number)	0x4A	0x4A-0x4B
0x47 (Node-Number)	0x4B	0x4B-0x4C
0x48 (Node-Number)	0x4C	0x4C-0x4D
0x49 (Node-Number)	0x4D	0x4D-0x4E
0x4A (Node-Number)	0x4E	0x4E-0x4F
0x4B (Node-Number)	0x4F	0x4F-0x50
0x4C (Node-Number)	0x50	0x50-0x51
0x4D (Node-Number)	0x51	0x51-0x52
0x4E (Node-Number)	0x52	0x52-0x53
0x4F (Node-Number)	0x53	0x53-0x54
0x50 (Node-Number)	0x54	0x54-0x55
0x51 (Node-Number)	0x55	0x55-0x56
0x52 (Node-Number)	0x56	0x56-0x57
0x53 (Node-Number)	0x57	0x57-0x58
0x54 (Node-Number)	0x58	0x58-0x59
0x55 (Node-Number)	0x59	0x59-0x5A
0x56 (Node-Number)	0x5A	0x5A-0x5B
0x57 (Node-Number)	0x5B	0x5B-0x5C
0x58 (Node-Number)	0x5C	0x5C-0x5D
0x59 (Node-Number)	0x5D	0x5D-0x5E
0x5A (Node-Number)	0x5E	0x5E-0x5F
0x5B (Node-Number)	0x5F	0x5F-0x60
0x5C (Node-Number)	0x60	0x60-0x61
0x5D (Node-Number)	0x61	0x61-0x62
0x5E (Node-Number)	0x62	0x62-0x63
0x5F (Node-Number)	0x63	0x63-0x64
0x60 (Node-Number)	0x64	0x64-0x65
0x61 (Node-Number)	0x65	0x65-0x66
0x62 (Node-Number)	0x66	0x66-0x67
0x63 (Node-Number)	0x67	0x67-0x68
0x64 (Node-Number)	0x68	0x68-0x69
0x65 (Node-Number)	0x69	0x69-0x6A
0x66 (Node-Number)	0x6A	0x6A-0x6B
0x67 (Node-Number)	0x6B	0x6B-0x6C
0x68 (Node-Number)	0x6C	0x6C-0x6D
0x69 (Node-Number)	0x6D	0x6D-0x6E
0x6A (Node-Number)	0x6E	0x6E-0x6F
0x6B (Node-Number)	0x6F	0x6F-0x70
0x6C (Node-Number)	0x70	0x70-0x71
0x6D (Node-Number)	0x71	0x71-0x72
0x6E (Node-Number)	0x72	0x72-0x73
0x6F (Node-Number)	0x73	0x73-0x74
0x70 (Node-Number)	0x74	0x74-0x75
0x71 (Node-Number)	0x75	0x75-0x76
0x72 (Node-Number)	0x76	0x76-0x77
0x73 (Node-Number)	0x77	0x77-0x78
0x74 (Node-Number)	0x78	0x78-0x79
0x75 (Node-Number)	0x79	0x79-0x7A
0x76 (Node-Number)	0x7A	0x7A-0x7B
0x77 (Node-Number)	0x7B	0x7B-0x7C
0x78 (Node-Number)	0x7C	0x7C-0x7D
0x79 (Node-Number)	0x7D	0x7D-0x7E
0x7A (Node-Number)	0x7E	0x7E-0x7F
0x7B (Node-Number)	0x7F	0x7F-0x80
0x7C (Node-Number)	0x80	0x80-0x81
0x7D (Node-Number)	0x81	0x81-0x82
0x7E (Node-Number)	0x82	0x82-0x83
0x7F (Node-Number)	0x83	0x83-0x84
0x80 (Node-Number)	0x84	0x84-0x85
0x81 (Node-Number)	0x85	0x85-0x86
0x82 (Node-Number)	0x86	0x86-0x87
0x83 (Node-Number)	0x87	0x87-0x88
0x84 (Node-Number)	0x88	0x88-0x89
0x85 (Node-Number)	0x89	0x89-0x8A
0x86 (Node-Number)	0x8A	0x8A-0x8B
0x87 (Node-Number)	0x8B	0x8B-0x8C
0x88 (Node-Number)	0x8C	0x8C-0x8D
0x89 (Node-Number)	0x8D	0x8D-0x8E
0x8A (Node-Number)	0x8E	0x8E-0x8F
0x8B (Node-Number)	0x8F	0x8F-0x90
0x8C (Node-Number)	0x90	0x90-0x91
0x8D (Node-Number)	0x91	0x91-0x92
0x8E (Node-Number)	0x92	0x92-0x93
0x8F (Node-Number)	0x93	0x93-0x94
0x90 (Node-Number)	0x94	0x94-0x95
0x91 (Node-Number)	0x95	0x95-0x96
0x92 (Node-Number)	0x96	0x96-0x97
0x93 (Node-Number)	0x97	0x97-0x98
0x94 (Node-Number)	0x98	0x98-0x99
0x95 (Node-Number)	0x99	0x99-0x9A
0x96 (Node-Number)	0x9A	0x9A-0x9B
0x97 (Node-Number)	0x9B	0x9B-0x9C
0x98 (Node-Number)	0x9C	0x9C-0x9D
0x99 (Node-Number)	0x9D	0x9D-0x9E
0x9A (Node-Number)	0x9E	0x9E-0x9F
0x9B (Node-Number)	0x9F	0x9F-0xA0
0x9C (Node-Number)	0xA0	0xA0-0xA1
0x9D (Node-Number)	0xA1	0xA1-0xA2
0x9E (Node-Number)	0xA2	0xA2-0xA3
0x9F (Node-Number)	0xA3	0xA3-0xA4
0xA0 (Node-Number)	0xA4	0xA4-0xA5
0xA1 (Node-Number)	0xA5	0xA5-0xA6
0xA2 (Node-Number)	0xA6	0xA6-0xA7
0xA3 (Node-Number)	0xA7	0xA7-0xA8
0xA4 (Node-Number)	0xA8	0xA8-0xA9
0xA5 (Node-Number)	0xA9	0xA9-0xAA
0xA6 (Node-Number)	0xAA	0xAA-0xAB
0xA7 (Node-Number)	0xAB	0xAB-0xAC
0xA8 (Node-Number)	0xAC	0xAC-0xAD
0xA9 (Node-Number)	0xAD	0xAD-0xAE
0xAA (Node-Number)	0xAE	0xAE-0xAF
0xAB (Node-Number)	0xAF	0xAF-0xB0
0xAC (Node-Number)	0xB0	0xB0-0xB1
0xAD (Node-Number)	0xB1	0xB1-0xB2
0xAE (Node-Number)	0xB2	0xB2-0xB3
0xAF (Node-Number)	0xB3	0xB3-0xB4
0xB0 (Node-Number)	0xB4	0xB4-0xB5
0xB1 (Node-Number)	0xB5	0xB5-0xB6
0xB2 (Node-Number)	0xB6	0xB6-0xB7
0xB3 (Node-Number)	0xB7	0xB7-0xB8
0xB4 (Node-Number)	0xB8	0xB8-0xB9
0xB5 (Node-Number)	0xB9	0xB9-0xBA
0xB6 (Node-Number)	0xBA	0xBA-0xBB
0xB7 (Node-Number)	0xBB	0xBB-0xBC
0xB8 (Node-Number)	0xBC	0xBC-0xBD
0xB9 (Node-Number)	0xBD	0xBD-0xBE
0xBA (Node-Number)	0xBE	0xBE-0xBF
0xBB (Node-Number)	0xBF	0xBF-0xC0
0xBC (Node-Number)	0xC0	0xC0-0xC1
0xBD (Node-Number)	0xC1	0xC1-0xC2
0xBE (Node-Number)	0xC2	0xC2-0xC3
0xBF (Node-Number)	0xC3	0xC3-0xC4
0xC0 (Node-Number)	0xC4	0xC4-0xC5
0xC1 (Node-Number)	0xC5	0xC5-0xC6
0xC2 (Node-Number)	0xC6	0xC6-0xC7
0xC3 (Node-Number)	0xC7	0xC7-0xC8
0xC4 (Node-Number)	0xC8	0xC8-0xC9
0xC5 (Node-Number)	0xC9	0xC9-0xCA
0xC6 (Node-Number)	0xCA	0xCA-0xCB
0xC7 (Node-Number)	0xCB	0xCB-0xCC
0xC8 (Node-Number)	0xCC	0xCC-0xCD
0xC9 (Node-Number)	0xCD	0xCD-0xCE
0xCA (Node-Number)	0xCE	0xCE-0xCF
0xCB (Node-Number)	0xCF	0xCF-0xD0
0xCC (Node-Number)	0xD0	0xD0-0xD1
0xCD (Node-Number)	0xD1	0xD1-0xD2
0xCE (Node-Number)	0xD2	0xD2-0xD3
0xCF (Node-Number)	0xD3	0xD3-0xD4
0xD0 (Node-Number)	0xD4	0xD4-0xD5
0xD1 (Node-Number)	0xD5	0xD5-0xD6
0xD2 (Node-Number)	0xD6	0xD6-0xD7
0xD3 (Node-Number)	0xD7	0xD7-0xD8
0xD4 (Node-Number)	0xD8	0xD8-0xD9
0xD5 (Node-Number)	0xD9	0xD9-0xDA
0xD6 (Node-Number)	0xDA	0xDA-0xDB
0xD7 (Node-Number)	0xDB	0xDB-0xDC
0xD8 (Node-Number)	0xDC	0xDC-0xDD
0xD9 (Node-Number)	0xDD	0xDD-0xDE
0xDA (Node-Number)	0xDE	0xDE-0xDF
0xDB (Node-Number)	0xDF	0xDF-0xE0
0xDC (Node-Number)	0xE0	0xE0-0xE1
0xDD (Node-Number)	0xE1	0xE1-0xE2
0xDE (Node-Number)	0xE2	0xE2-0xE3
0xDF (Node-Number)	0xE3	0xE3-0xE4
0xE0 (Node-Number)	0xE4	0xE4-0xE5
0xE1 (Node-Number)	0xE5	0xE5-0xE6
0xE2 (Node-Number)	0xE6	0xE6-0xE7
0xE3 (Node-Number)	0xE7	0xE7-0xE8
0xE4 (Node-Number)	0xE8	0xE8-0xE9
0xE5 (Node-Number)	0xE9	0xE9-0xEA
0xE6 (Node-Number)	0xEA	0xEA-0xEB
0xE7 (Node-Number)	0xEB	0xEB-0xEC
0xE8 (Node-Number)	0xEC	0xEC-0xED
0xE9 (Node-Number)	0xED	0xED-0xEE
0xEA (Node-Number)	0xEE	0xEE-0xEF
0xEB (Node-Number)	0xEF	0xEF-0xF0
0xEC (Node-Number)	0xF0	0xF0-0xF1
0xED (Node-Number)	0xF1	0xF1-0xF2
0xEE (Node-Number)	0xF2	0xF2-0xF3
0xEF (Node-Number)	0xF3	0xF3-0xF4
0xF0 (Node-Number)	0xF4	0xF4-0xF5
0xF1 (Node-Number)	0xF5	0xF5-0xF6
0xF2 (Node-Number)	0xF6	0xF6-0xF7
0xF3 (Node-Number)	0xF7	0xF7-0xF8
0xF4 (Node-Number)	0xF8	0xF8-0xF9
0xF5 (Node-Number)	0xF9	0xF9-0xFA
0xF6 (Node-Number)	0xFA	0xFA-0xFB
0xF7 (Node-Number)	0xFB	0xFB-0xFC
0xF8 (Node-Number)	0xFC	0xFC-0xFD
0xF9 (Node-Number)	0xFD	0xFD-0xFE
0xFA (Node-Number)	0xFE	0xFE-0xFF
0xFB (Node-Number)	0xFF	0xFF-0x00
0xFC (Node-Number)	0x00	0x00-0x01
0xFD (Node-Number)	0x01	0x01-0x02
0xFE (Node-Number)	0x02	0x02-0x03
0xFF (Node-Number)	0x03	0x03-0x04
0x00 (Node-Number)	0x04	0x04-0x05
0x01 (Node-Number)	0x05	0x05-0x06
0x02 (Node-Number)	0x06	0x06-0x07
0x03 (Node-Number)	0x07	0x07-0x08
0x04 (Node-Number)	0x08	0x08-0x09
0x05 (Node-Number)	0x09	0x09-0x0A
0x06 (Node-Number)	0x0A	0x0A-0x0B
0x07 (Node-Number)	0x0B	0x0B-0x0C
0x08 (Node-Number)	0x0C	0x0C-0x0D
0x09 (Node-Number)	0x0D	0x0D-0x0E
0x0A (Node-Number)	0x0E	0x0E-0x0F
0x0B (Node-Number)	0x0F	0x0F-0x10
0x0C (Node-Number)	0x10	0x10-0x11
0x0D (Node-Number)	0x11	0x11-0x12
0x0E (Node-Number)	0x12	0x12-0x13
0x0F (Node-Number)	0x13	0x13-0x14
0x10 (Node-Number)	0x14	0x14-0x15
0x11 (Node-Number)	0x15	0x15-0x16
0x12 (Node-Number)	0x16	0x16-0x17
0x13 (Node-Number)	0x17	0x17-0x18
0x14 (Node-Number)	0x18	0x18-0x19
0x15 (Node-Number)	0x19	0x19-0x1A
0x16 (Node-Number)	0x1A	0x1A-0x1B
0x17 (Node-Number)	0x1B	0x1B-0x1C
0x18 (Node-Number)	0x1C	0x1C-0x1D
0x19 (Node-Number)	0x1D	0x1D-0x1E
0x1A (Node-Number)	0x1E	0x1E-0x1F
0x1B (Node-Number)	0x1F	0x1F-0x20
0x1C (Node-Number)	0x20	0x20-0x21
0x1D (Node-Number)	0x21	0x21-0x22
0x1E (Node-Number)	0x22	0x22-0x23
0x1F (Node-Number)	0x23	0x23-0x24
0x20 (Node-Number)	0x24	0x24-0x25
0x21 (Node-Number)	0x25	0x25-0x26
0x22 (Node-Number)	0x26	0x26-0x27
0x23 (Node-Number)	0x27	0x27-0x28
0x24 (Node-Number)	0x28	0x28-0x29
0x25 (Node-Number)	0x29	0x29-0x2A
0x26 (Node-Number)	0x2A	0x2A-0x2B
0x27 (Node-Number)	0x2B	0x2B-0x2C
0x28 (Node-Number)	0x2C	0x2C-0x2D
0x29 (Node-Number)	0x2D	0x2D-0x2E
0x2A (Node-Number)	0x2E	0x2E-0x2F
0x2B (Node-Number)	0x2F	0x2F-0x30
0x2C (Node-Number)	0x30	0x30-0x31
0x2D (Node-Number)	0x31	0x31-0x32
0x2E (Node-Number)	0x32	0x32-0x33
0x2F (Node-Number)	0x33	0x33-0x34
0x30 (Node-Number)	0x34	0x34-0x35
0x31 (Node-Number)	0x35	0x35-0x36

A Broad Spectrum of Features



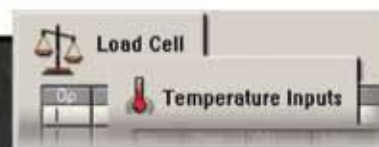
Recipes & Menus



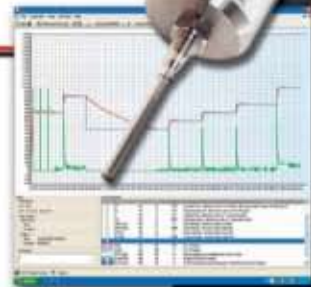
Image Library



Virtual Keypad



Temp & Weight



PID



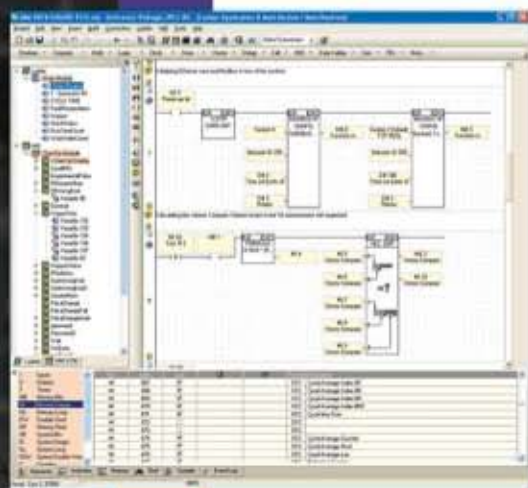
HS I/Os



Info Mode

- Up to 20 PID loops, including auto-tune, ramp-soak programmer and bumpless transfer
- Info Mode: Troubleshoot via the HMI panel — no PC needed
- Scroll between pre-programmed recipes, and switch between operating modes
- Shaft encoder inputs and PWM outputs
- Temperature, weight and strain measurement
- Rich Image Library: design your HMI application in a snap
- Application requires data entry? The V570™ virtual keypad pops up automatically

Color your Control Application



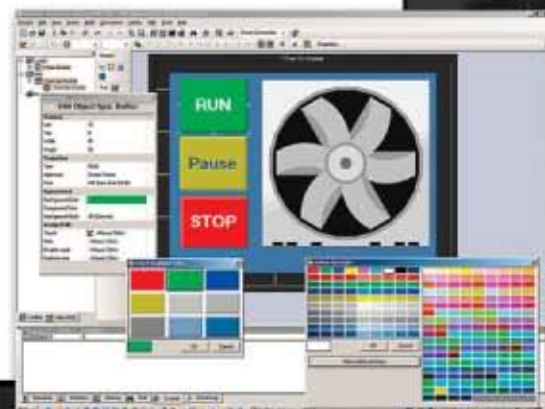
VisiLogic Ladder software - one program for both PLC and HMI applications

PLC Editor:

- Click and drop Ladder elements
- Modular program function; create subroutines and call them into your program
- Built-in Function Blocks and utilities save application code and simplify complex tasks
- Embedded modem support for remote access and SMS messaging

HMI Editor:

- Assign "Touch" properties to any screen element
- Create and conditionally display operator messages that contain text and images
- Use color images and graphs to reflect current variable values and historical trends
- Assign functions to softkeys and touchscreen elements



Technical Specifications

Graphic Display Screen	Display Type	CSTN LCD	TFT LCD
	Colors	256	
	Display Resolution & Size	320x240 pixels (QVGA), 5.7" active area	
	Touchscreen	Resistive, analog	
	Brightness	Adjustable via touchpanel or software	
	HMI Displays	1024 displays, 500 images per application	
	Application Memory	Application Logic: 2MB • Images: 6MB • Fonts: 1MB	
Program	Scan Time	9µsec 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	RS232/RS485	2 isolated ports. Select RS232 or RS485 via DIP switch
Ethernet		1 optional port (sold separately, article No. V200-19-ET1). 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	
CANbus		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	
GSM		SMS messages to/from any quantity of phone numbers. Supports programming and data acquisition	
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	PID	Up to 20 independent PID loops, including internal auto-tune, ramp-soak programmer and bumpless transfer	
	Info Mode	Troubleshoot, view, and edit system data in real-time — directly from the HMI panel via built-in Info Mode screens. Supported by Remote Access	
	Power Supply	24VDC	
	Battery back-up	7 years typical at 25°C, back-up for all memory sections & real-time clock (RTC). External battery replacement.	
	Environment	IP65/NEMA4X (for panel, when mounted)	
	Expansion option	Up to 128 additional I/Os, via plug-in expansion modules (number may vary according to expansion model)	
	Dimensions	197 x 146.6 x 68.5 mm (7.75" x 5.77" x 2.7")	
	Article Number	V570-57-C30B	V570-57-T40B

Snap-in I/O Modules

Article Number	V200-18-E1B	V200-18-E2B	V200-18-E3XB	V200-18-E4XB	V200-18-E5B
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*	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.	Four Isolated 14 bit Inputs, 0-10V, 0-20mA, 4-20mA.	Three 10 bit Inputs, 0-10V, 0-20mA, 4-20mA
Temperature Measurement	None	None	May also be set to Thermocouple or PT100 (Res. 0.1°)	May also be set to 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

* Certain digital inputs can function as high-speed counters, shaft-encoder inputs, frequency measurers



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