	V130-33-R2	V130-33-R34	V130-33-RA22	V130-33-T2	V130-33-T38	V130-33-TA24
	10 Digital Inputs 2 Analog/Digital Inputs 6 Relay Outputs	20 Digital Inputs 2 Analog/Digital Inputs 12 Relay Outputs	8 Digital Inputs 2 Analog/Digital Inputs 2 TC/PT/Digital Inputs[1] 8 Relay Outputs 2 Analog Outputs	10 Digital Inputs 2 Analog/Digital Inputs 12 Transistor Outputs	20 Digital Inputs 2 Analog/Digital Inputs 16 Transistor Outputs	8 Digital Inputs 2 Analog/Digital Inputs 2 TC/PT/Digital Inputs[1] 10 Transistor Outputs 2 Analog Outputs

I/O

Digital Inputs[1] (maximum)	12 pnp/npn (source/sink) 24VDC	22 pnp/npn (source/sink) 24VDC	12 pnp/npn (source/sink) 24VDC	12 pnp/npn (source/sink) 24VDC	22 pnp/npn (source/sink) 24VDC	12 pnp/npn (source/sink) 24VDC
High-speed Counters/Shaft-Encoder/Frequency Measurer[2]	Three, 10 kHz 32 bit resolution	Three, 10 kHz 32 bit resolution	One, 10 kHz 32 bit resolution	Three, 10 kHz 32 bit resolution	Two, 10 kHz 32 bit resolution	One, 10 kHz 32 bit resolution
Analog Inputs[1]	Two 10 bit inputs: 0-10V, 0-20mA, 4-20mA	Two 10 bit inputs: 0-10V, 0-20mA, 4-20mA	Two 14 bit inputs: 0-10V, 0-20mA, 4-20mA and	Two 10 bit inputs: 0-10V, 0-20mA, 4-20mA	Two 10 bit inputs: 0-10V, 0-20mA, 4-20mA	Two 14 bit inputs: 0-10V, 0-20mA, 4-20mA and
Temperature Measurement[1]	None	None	2 PT100 or Thermocouple inputs	None	None	2 PT100 or Thermocouple inputs
Digital Outputs	6 relay outputs	12 relay outputs	8 relay outputs	12 pnp (source)	16 pnp (source)	10 pnp (source)
High-speed Outputs/PWM[2]	None	None	None	Seven, 2 kHz	Seven, 2 kHz	Five, 2 kHz
Analog Outputs	None	None	Two 12 bit outputs: 0-10V, 4-20mA	None	None	Two 12 bit outputs: 0-10V, 4-20mA
I/O Expansion	Up to 128 I/Os may be added via I/O expansion port (number of I/Os may vary according to expansion module)					

Operator Panel

Display	128 x 64 pixels, Graphic STN LCD, White LED Backlight
HMI Displays	1024 displays, 500 images per application
Keyboard	20 programmable keys, including 10 user-labeled keys

Program

Application Memory	Application Logic: 512K • Images: 256K • Fonts: 128K
Scan Time	20μsec per 1K of typical application
Memory Bits (Coils)	4096
Memory Integers (Registers)	2048
Long Integers (32-bit)	256
Double Words (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')
Enhanced Programming Features	Trends: graph any value • Alarms: built-in screens • String Library: Instantly switch HMI language • Fast Operands & Interrupts

Communication

RS232/RS485	1 built-in RS232/RS485 port (selectable)
Optional port[3]	Ethernet (V100-17-ET2) or RS232/RS485 (V100-17-RS4) or RS232/RS485 (isolated) (V100-17-RS4X)
CANbus port[3] (optional)	1 isolated port (V100-17-CAN). Supports CANopen, UniCAN and CAN Layer 2
MODBUS	Supports MODBUS protocol, Master/Slave
GPRS	Programming, data acquisition and SMS, via wireless data transmission
GSM	SMS messages to/from any quantity of phone numbers

General

PID	Up to 24 independent PID loops, including internal auto-tune, ramp-soak programmer and bumpless transfer
Power supply	24VDC
Battery back-up	7 years typical at 25°C
Dimensions	External: 109 x 114 x 68 mm (4.29" x 4.49" x 2.67") ; Cut-out: 92 x 92 mm (3.622" x 3.622")
Environment	IP65/NEMA4X (for panel, when mounted)