

Display	VT300W	VT310W	VT320W	VT330W
Type	Graphic monochrome STN LCD		Graphic LCD 16 colors STN	Graphic LCD 16 tones of gray/256 colors TFT
Backlighting	LED	CCFL		
Min. lamp life at 25°C (h)	-	10.000	15.000	20.000
Resolution in pixels h-v (inches)	240x64	240x128 (5,5")	320x240 (5,7")	640x480 (10,4")
Columns by Rows [text]	40x8/20x4/10x2	40x16/20x8/10x4		80x30/40x15/20x7
Display area size (mm h-v)	132x39	123x68	115,6x87	196x148(m)/211,2x158(c)
Text character Matrix (pixels h-v)	6x8/12x16/24x32		8x15/16x30/32x60	8x16/16x32/32x64
Character dimensions (mm h-v)	3,2x4,2	3x4	2,8x5,2	2,7x5,4
Contrast adjustment	Software			
Character set	Programmable fonts/TTF Windows®			

User memory				
Project (text + graphic) (bytes)	192K + 384K		192K + 832K	640K + 1792K
Recipes (bytes) ¹	128K RAM		256K RAM	
Memory card for backup/Expansion (bytes)	4M/-			8M/4M (graphic)

Interfaces				
MSP serial port	RS232/422/485/TTY 20 mA			
ASP serial port	RS232/RS485 (15 pin)			
LPT parallel port	Centronics			
Connection with optional keyboard	Yes			-

Networks				
Integrated (option)	CAN	-		
Optional ²	Profibus-DP, Interbus-S, CAN			
ESA-Net	Server (256 variables), Client			

Dimensions				
External (W x H x D) (mm)	252x196x60		305x196x60	435x260x74
Cut-out (W x H) (mm)	232x178		275x176	403x240

Technical data				
Power supply/Power consumed (24 Vdc)	18...32 Vdc/11 W		18...32 Vdc/15 W	18...32 Vdc/15 W
Protection level	IP 65 (front)			
Operating temperature (°C)	0...+50			
Storage/transport temperature (°C)	-20...+60			
Humidity (non-condensing)	<85%			
Weight (kg)	1,5		2	4
Certificates of approval	CE, NEMA12, cULus			

Main features				
Project Languages	8			
Password levels/Bit passwords	10/8			
Pages/Fields per page	1024/80	1024/96	1024/112	1024/304
Format of variables	DEC, HEX, BIN, BCD, ASCII, Floating point			
Dynamic texts/Lists of images	Value depends on dimensions of project memory			
ISA alarms/Info-messages	1024/1024			
Help messages (pages/info messages/alarms)	1024/1024/1024			
Alarm history buffer	256			
Recipes (Number/Variables per recipe)	1024/256		2048/512	1024/512
Trends (Memory/Number of samples)	512/240		4096/320	8192/640
Pipelines (Number/Total bytes)	64/512			
Macros (Number/Commands per macro)	1024/16			
Print pages (Total/Number of fields per page)	1024/128			
Automatic operations ³	32			
Timers (Time base 100 ms) ³	32			
Equations ³	32			
Max bargraphs per page (taken together with fields)	80	96	112	304
Indicators, potentiometers, selectors per page ³	-	-	-	256
Project images	BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, ETC...			
Hardware clock	With battery			

Keyboard				
Operative/function/alphanumeric keys	14/24/11	14/21/11	13/28/11	19/28/27

① - With battery ② - Obtainable using VTPROFI/DP, VTINTERBUS and VTCAN ③ - Not present on VT330 in gray tones