

Display	VT300W	VT310W	VT320W	VT330W
Type	Graphic LCD monochrome STN		Graphic LCD 16 colors STN	Graphic LCD 256 colors TFT
Backlighting	LED		CCFL	
Min. lamp life at 25°C (h)	-	10.000	15.000	30.000
Resolution in pixels h-v (inches)	240x64	240x128 (5,5")	320x240 (5,7")	640x480 (10,4")
Display area size (mm h-v)	132x39	123x68	115,6x87	211,2x158
Columns by Rows/Character dimensions	Depending on used Font			
Contrast adjustment	Software			
Character set	Programmable fonts/TTF Windows® (also Unicode)			

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

Interfaces				
MSP serial port		RS232/422/485/TTY 20 mA		
ASP serial port <sup>2</sup>		RS232/RS485 (15 pin)		
LPT parallel port <sup>2</sup>		Centronics		
Connection with optional keyboard		Yes		-

Networks				
Integrated (option)		CAN		-
Optional <sup>3</sup>		Profibus-DP, Interbus-S, CAN		
ESA-Net (variables)		Server (256), 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, cULus		

Main features				
Project Languages		8		
Password levels/Bit passwords		10/8		
Pages/Fields per page		1024/80	1024/96	1024/112
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/Timers/Equations		32/32/32		
Max bargraphs per page (taken together with fields)		80	96	112
Indicators,potentiometers,selectors per page		-	-	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

① - With battery

② - See model for availability: check table of codes on following page

③ - Obtainable using VTPROFI/DP, VTINTERBUS and VTCAN

# Graphic terminals



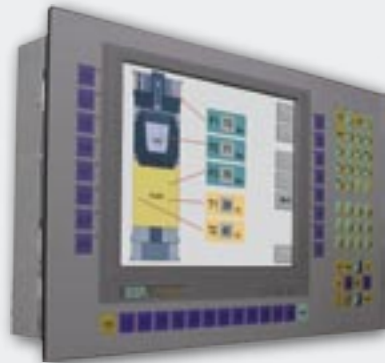
**VT300W**  
Monochrome STN LCD  
240 x 64 - 49 keys



**VT320W**  
16-Color STN LCD  
320 x 240 (5,7") - 52 keys



**VT310W**  
Monochrome STN LCD  
240 x 128 (5,5") - 46 keys



**VT330W**  
256-Color TFT LCD  
640 x 480 (10,4") - 72 keys

## Main characteristics:

- On-screen graphics
- Alarms, passwords, recipes
- Use of Windows® fonts
- Importation of graphic images in any format
- Moving graphic objects
- Two drivers run simultaneously
- Serial or parallel printing
- Integrated CAN

## Graphic terminals codes and descriptions

VT300W A0000	Interfaces: MSP, ASP - Project: 512 KB - Recipes: 128 KB
VT300W AP000	Interfaces: MSP, ASP, LPT - Project: 512 KB - Recipes: 128 KB
VT300W 000CN	Interfaces: MSP, CAN network - Project: 512 KB - Recipes: 128 KB
VT310W A0000	Interfaces: MSP, ASP - Project: 512 KB - Recipes: 128 KB
VT310W AP000	Interfaces: MSP, ASP, LPT - Project: 512 KB - Recipes: 128 KB
VT320W A0000	Interfaces: MSP, ASP - Project: 1 MB - Recipes: 256 KB
VT320W AP000	Interfaces: MSP, ASP, LPT - Project: 1 MB - Recipes: 256 KB
VT330W APT00	Interfaces: MSP, ASP, LPT - Project: 2 MB - Recipes: 256 KB

## Accessories codes and descriptions

VTBUTONCELL	Lithium 3V cell battery CR2032 for maintaining recipes and clock
FLASH MODULO 04	4MB flash module for backup/expansion (VT330W)
FLASH MODULO 08	8MB flash module for backup (VT330W)