



## Text HMI

### Evergreen solutions for durable control

Features	VT050	VT060	VT150	VT160	VT170
Display Type	Text LCD				
Display Backlight	LED				
Columns by Rows (text)	20 x 2				20 x 4
Display area size (mm h-v)	73,5 x 11,5				70,4 x 20,8
Text character Matrix (pixels h-v)				5 x 7	
Character dimensions (mm h-v)	3,2 x 5,5				2,95 x 4,75
Contrast adjustment	Trimmer				
Character set	Ascii, Katakana				
Project Memory (bytes)	256K			320K	
Recipes/Alarm buffer (bytes)	-			32K/8K RAM	
MSP serial port	RS-232/422/485/TTY 20 mA				
ASP serial port	-			RS-232 (9 pin)	
Connection with optional keyboard	-	Yes	Integrated	-	
Integrated network (optional)	CAN	CAN, Profibus-DP		Profibus-DP	-
Optional	Profibus-DP, Interbus-S, CAN				
ESA-Net (variables)	Client			Server (128), Client	
Power supply (Vdc)	18 - 32				
Consumption (W)	5	15			9
Operating temperature (°C)	0 ... +50 (non condensing)				
Storage temperature (°C)	-20 ... +60 (non condensing)				
Humidity	<85% (non condensing)				
External dimensions (W/H/D) (mm)	166 x 86 x 41	166 x 86 x 41	148 x 188 x 41	296 x 188 x 42	126 x 196 x 60
Cut-out dimensions (W/H) (mm)	157x77	157x77	123 x175	See installation sheet	107 x 178
Weight (kg)	0,5	0,5	0,7	0,88	0,9
Protection degree (front)	IP 66		IP 65		
Project Languages	4		6		8
Password levels/Bit passwords	-/8	10/8			
Pages/Fields per page	127/12	1024/32			1024/16
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	-/128	-/1024			1024/1024
Help messages (pages/info messages/alarms)	127/128/-	1024/1024/-			1024/1024/1024
Alarm history buffer	-			256	
Recipes (Number/Variables per recipe)	-			1024/256	
Macros (Number/Commands per macro)	-		1024/16		
Print pages (Total/Number of fields per page)	-			1024/64	
Automatic operations/Timers	20/20		32/32		
Equations	32			-	
Keyboard Operative/function/alphanumeric keys	8/5/-	6/4/-	9/5/11	9/23/11	13/12/11
Certifications	CE, cULus				

## Order codes and description

### VT50

Operator terminal with text LCD display, 2 rows by 20 characters, 256 KB project, 8 operative keys (5 function keys)

VT05000000 MSP (RS232/422/485/TTY), ASP-8 (RS232)  
VT050000CN ASP-8 (RS232), Profibus-DP network

### VT60

Operator terminal with text LCD display, 4 rows by 20 characters, 256 KB project, 6 operative keys (4 function keys)

VT06000000 MSP (RS232/422/485/TTY)  
VT060000CN ASP-8 (RS232 for programming), CAN interface

### VT150

Operator terminal with text LCD display, 4 rows by 20 characters, 256 KB project, 25 operative keys (5+5 customisable function keys)

VT150W00000 MSP (RS232/422/485/TTY)  
VT150W000DP MSP (RS232/422/485/TTY), Profibus-DP network  
VT150WA00CN ASP-8 (RS232 for programming), CAN interface

### VT160

Operator terminal with text LCD display, 4 rows by 20 characters, 256 KB project, 25 operative keys (5+5 customisable function keys), 18 customisable auxiliary keys

VT160W00000 MSP (RS232/422/485/TTY)  
VT160W000DP MSP (RS232/422/485/TTY), Profibus-DP network

### VT170

Operator terminal with text LCD display, 4 rows by 20 characters, 320 KB project, clock, 32 KB recipes, 36 operative keys (12 customisable function keys)

VT170WA0000 MSP (RS232/422/485/TTY), ASP-9 (RS232)