

Display	VT50	VT60	VT150W	VT160W	VT170W	VT190W
Type	Text LCD					
Backlighting	LED					
Columns by Rows [text]	20x2		20x4			40x4
Display area size (mm h-v)	73,5x11,5		70,4x20,8			140,5x23,2
Text character Matrix (pixels h-v)	5x7					
Character dimensions (mm h-v)	3,2x5,5		2,95x4,75			2,8x4,9
Contrast adjustment	Trimmer					
Character set	Ascii, Katakana					

User memory						
Project (bytes)		256K		320K		256K
Recipes/Alarm buffer (bytes) ¹		-		32K/8K RAM		105K/8K RAM

Interfaces						
MSP serial port ²	RS232/422/485/TTY 20 mA					
ASP serial port ²		-			RS232 (9 pin)	
LPT parallel port ²			-			Centronics
Connection with optional keyboard		-	Yes	Integrated		-

Networks						
Integrated (option)		CAN	CAN, DP	Profibus-DP		-
Optional ³	Profibus-DP, Interbus-S, CAN					
ESA-Net (variables)			Client			Server ⁴ (128), Client

Dimensions						
External (W x H x D) (mm)		166x86x41	148x188x41	296x188x42	126x196x60	252x196x60
Cut-out (W x H) (mm)		157x77	123x175	See installation sheet	107x178	232x178

Technical data						
Power supply/Power consumed (24 Vdc)		18...32 Vdc/5 W	18...32 Vdc/15 W		18...32 Vdc/9 W	
Protection level		IP 66 (front)		IP 65 (front)		
Operating temperature (°C)	0...+50					
Storage/transport temperature (°C)	-20...+60					
Humidity (non-condensing)	<85%					
Weight (kg)		0,5	0,7	0,88	0,9	1,5
Certificates of approval		CE, RINA, cULus		CE, cULus		

Main features						
Project Languages		4		6		8
Password levels/Bit passwords		-/8			10/8	
Pages/Fields per page		127/12		1024/32	1024/16	1024/32
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
Pipelines (Number/Total bytes)				-		64/512
Macros (Number/Commands per macro)		-			1024/16	
Print pages (Total/Number of fields per page)			-		1024/64	1024/128
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 14/24/11

- ① - With battery
- ② - See model for availability: check table of codes on following page
- ③ - Obtainable using VTPROFI/DP, VTINTERBUS and VTCAN or with VT5PROFI/DP
- ④ - Obtainable using VT5ESABUS

Text terminals



VT50
LCD 20 x 2
8 keys



VT150W
LCD 20 x 4
25 keys



VT160W
LCD 20 x 4
43 keys



VT60
LCD 20 x 4
6 keys



VT170W
LCD 20 x 4
36 keys



VT190W
LCD 40 x 4
49 keys

Main characteristics (model dependant):

- Ideal for all occasions
- Applications quickly executed
- Alarms, passwords, recipes
- Mathematical functions
- Two drivers run simultaneously
- Serial or parallel printing
- Integrated Profibus-DP and CAN

Text terminals codes and descriptions

VT050 00000	Interfaces: MSP - Project: 256 KB
VT050 000CN	Interfaces: ASP8, CAN network - Project: 256 KB
VT060 00000	Interfaces: MSP - Project: 256 KB
VT060 000CN	Interfaces: ASP8, CAN network - Project: 256 KB
VT150W 00000 ¹	Interfaces: MSP - Project: 256 KB
VT150W 000DP	Interfaces: MSP, Profibus-DP network - Project: 256 KB
VT150W A00CN ¹	Interfaces: ASP8, CAN network - Project: 256 KB
VT160W 00000	Interfaces: MSP - Project: 256 KB
VT160W 000DP	Interfaces: MSP, Profibus-DP network - Project: 256 KB
VT170W A0000	Interfaces: MSP, ASP (9 pin) - Project: 320 KB - Recipes: 32 KB
VT190W A0000	Interfaces: MSP, ASP (9 pin) - Project: 256 KB - Recipes: 105 KB
VT190W AP000	Interfaces: MSP, ASP (9 pin), LPT - Project: 256 KB - Recipes: 105 KB

¹ - Models without ESA Logo are available

Accessories codes and descriptions

VT100 MT1000	Serial keyboard unit, 20 customizable keys with LEDs (VT150W)
VT100 MT2000	Blank keyboard unit (VT150W)
VT5 BATTERY	3,6V lithium battery for maintaining recipes and clock (VT170W/VT190W)
VT5 PROFI/DP	Unit for connecting in Profibus-DP (VT170W/VT190W)
VT5 ESABUS	RS485 unit for connecting to ESA-Net network (VT170W/VT190W)