

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 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/-	4/6/-	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