VT155 Terminals

	VT155
Display Type	Graphic LCD 4 tones of grey STN
Touch Screen Matrix (cell dimension in pixels h-v)	20 x 8 (12 x 16)
Backlighting	LED
Min. lamp life at 25°C (h)	-
Resolution in pixels h-v (inches)	240 x 128 (4”)
Display area size (mm h-v)	94,5 x 54,5
Columns by Rows/Character dimensions	Depending on used Font
Contrast adjustment	Software
Character set	Programmable fonts/TTF Windows® (also Unicode)
Project memory (text+graphic) (bytes)	640K
Recipes/Alarm buffer (bytes)	16K/8K FLASH
Memory card for backup/Extension (bytes)	-
MSP serial port	RS-232/422/485/TTY 20 mA
ASP serial port	RS-232 (8 pin)
LPT parallel port	-
Integrated (option)	CAN, Profibus-DP, Ethernet
Optional	Profibus-DP, Interbus-S, CAN
ESA-Net (variables)	Client
External (W x H x D) (mm)	166 x 100 x 39,6
Cut-out (W x H) (mm)	157 x 91
Power supply/Power consumption (24 Vdc)	18...32 Vdc/10 W
Protection level	IP 66 (frontal)
Operating temperature (°C)	0...+50
Storage/transport temperature (°C)	-20...+60
Humidity (non-condensing)	<85%
Weight (kg)	0,5
Certificates of approval	CE, cULus , Atex (Group II - cat.3 G D - zone 2/22)
Project Languages	4
Password levels/Bit passwords	10/8
Pages/Fields per page	64/32
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	256/256
Help messages (pages/info messages/alarms)	64/256/256
Alarms history buffer	220 256

Recipes (Number/Variables per recipe)	128/256
Trends (Memory/Number of samples)	-
Pipelines (Number/Total bytes)	-
Macros (Number/Commands per macro)	1024/16
Print pages (Total/Number of fields per page)	64/128
Automatic operations/Timers/Equations	32/32/32
Max bargraphs per page (taken together with fields)	32
Indicators,potentiometers,selectors per page	-
Project images	BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, ETC...
Buttons per page	Number of buttons corresponding to the number of Touch-Screen cells
Hardware clock	Supercapacitor 72 hours
Certifications	CE, cULus , Atex (Group II - cat.3 G D - zone 2/22)

Order codes and description

VT155
Operator terminal with 4” graphic LCD display, 4 tones of gray, 16 rows by 40 characters (240 x 128), Touch-Screen, 640 KB project, clock, 16 KB recipes
It is possible horizontal and vertical mounting

VT155W00000	MSP (RS232/422/485/TTY), ASP-8 (RS232)
VT155W000DP	ASP-8 (RS232), Profibus-DP network
VT155W000CN	ASP-8 (RS232), CAN interface
VT155W000ET	ASP-8 (RS232), Ethernet 10/100

ESA AUTOMATION
Connect ideas. Shape solutions.

VT HMI

VT505, VT515, VT525, VT560 and VT565

	VT505	VT515	VT525	VT560	VT565
Display Type	Graphic LCD 4 tones of blue STN		Graphic LCD 16 colors STN	Graphic LCD 8 tones of blue/16 colors STN	Graphic LCD 256 colors STN
Touch Screen Matrix (cell dimension in pixels h-v)	20 x 16 (16 x 15)			20 x 16 (16 x 15)	20 x 16 (16 x 15)
Backlighting	CCFL				
Min. lamp life at 25°C (h)	45.000		50.000	50.000	
Resolution in pixels h-v (inches)	320 x 240 (5,7")			320 x 240 (5,7")	
Display area size (mm h-v)	115,17 x 86,37			115,17 x 86,37	
Columns by Rows/Character dimensions	Depending on used Font				
Contrast adjustment	Software				
Character set	Programmable fonts/TTF Windows® (also Unicode)				
Project memory (text+graphic) (bytes)	512K		960K	192K + 832K	
Recipes/Alarm buffer (bytes)	16K/- FLASH	16K/8K FLASH	32K/8K FLASH	128K/8K RAM	
Memory card for backup/Extension (bytes)	-			4M	
MSP serial port	RS-232/422/485/TTY 20 mA				
ASP serial port	RS-232 (8 pin)			RS-232/RS485 (15 pin)	
LPT parallel port	-			-	Centronics
Networks					
Integrated networks (option)	CAN, Profibus-DP, Ethernet			-	
Optional	Profibus-DP, Interbus-S, CAN				

networks				
ESA-Net (variables)	Client		Server (256), Client	
External (W x H x D) (mm)	210 x 158 x 54			210 x 158 x 61,2
Cut-out (W x H) (mm)	198 x 148			
Power supply/Power consumed (24 Vdc)	18...32 Vdc/10 W			18...32 Vdc/15 W
Protection level	IP 65 (frontal)			
Operating temperature (°C)	0...+50			
Storage/transport temperature (°C)	-20...+60			
Humidity (non-condensing)	<85%			
Weight (kg)	1,4			
Project Languages	4	6	8	
Password levels/Bit passwords	10/8			
Pages/Fields per page	128/34	150/48	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	-/256	256/256	1024/1024	
Help messages (pages/info messages/alarms)	128/256/-	128/256/256	150/256/256	1024/1024/1024
Alarm history buffer	-	220	256	
Recipes (Number/Vari	128/256		1024/512	

ables per recipe)			
Trends (Memory/Number of samples)	-		4096/320
Pipelines (Number/Total bytes)	-		64/512
Macros (Number/Commands per macro)	1024/16		
Print pages (Total/Number of fields per page)	-	64/128	1024/128
Automatic operations/Timers/Equations	32/32/32		
Max bargraphs per page (taken together with fields)	34	48	112
Indicators,potentiometers,selectors per page	-		64
Project images	BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, ETC...		
Buttons per page	Number of buttons corresponding to the number of Touch-Screen cells		
Hardware clock	-	Supercapacitor 72 hours	With battery
Certifications	CE, cULus , Atex (Group II - cat.3 G D - zone 2/22)		

ORDER CODES AND DESCRIPTION

VT505
Operator terminal with 5,7” graphic STN LCD display, 4 blue levels, 16 rows by 40 characters (320 x 240), Touch-Screen, 640 KB project, software clock, 16 KB recipes

VT505W00000	MSP (RS232/422/485/TTY)
VT505W000DP	MSP (RS232/422/485/TTY), Profibus-DP network
VT505W000CN	MSP (RS232/422/485/TTY), CAN interface
VT505W000ET	ASP-8 (RS232), Ethernet 10/100

VT515
Operator terminal with 5,7” graphic STN LCD display, 4 blue levels, 16 rows by 40 characters (320 x 240), Touch-Screen, 640 KB project, software clock, 16 KB recipes

VT515W00000	MSP (RS232/422/485/TTY)
VT515W000DP	MSP (RS232/422/485/TTY), Profibus-DP network
VT515W000CN	MSP (RS232/422/485/TTY), CAN interface
VT515W000ET	ASP-8 (RS232), Ethernet 10/100

VT525
Operator terminal with 5,7” graphic 16-color STN LCD display, 16 rows by 40 characters (320 x 240), Touch-Screen, 960 KB project, clock, 32 KB recipes

VT525W00000	MSP (RS232/422/485/TTY), ASP-8 (RS232)
VT525W000DP	ASP-8 (RS232), Profibus-DP network
VT525W000CN	ASP-8 (RS232), CAN interface
VT525W000ET	ASP-8 (RS232), Ethernet 10/100

VT560
Operator terminal with 5,7" graphic LCD display 8 Tones of blue STN (320 x 240), Touch-Screen, 1 MB project, clock, 128 KB recipes

VT560WA0M00	Tones of blue, MSP (RS232/422/485/TTY), ASP (RS232/485)

VT560
Operator terminal with 5,7" graphic LCD display 16 color STN (320 x 240), Touch-Screen, 1 MB project, clock, 128 KB recipes

VT560WA0M00	Tones of blue, MSP (RS232/422/485/TTY), ASP (RS232/485)

VT565

ESA AUTOMATION
Connect ideas. Shape solutions.

VT HMI

Operator terminal with 5,7” graphic LCD STN display 256-color, 16 rows by 40 characters, 1/4 VGA (320 x 240), Touch Screen, 1 MB project, clock, 128 KB recipes

VT565WA0000 Colors, MSP (RS232/422/485/TTY), ASP (RS232/485)
VT565WAP000 Colors, MSP (RS232/422/485/TTY), ASP (RS232/485), LPT (Centronics)

VT580, VT585WB and VT595 TERMINALS

	VT580	VT585WB	VT595W
Display Type	Graphic LCD 256 colors TFT	Graphic LCD 256 colors TFT	
Touch Screen Matrix (cell dimension in pixels h-v)	50 x 40 (16 x 15)	40 x 30 (16 x 16)	50 x 40 (16 x 15)
Backlighting	CCFL		
Min. lamp life at 25°C (h)	50.000	30.000	50.000
Resolution in pixels h-v (inches)	800 x 600 (8,4”)	640 x 480 (10,4”)	800 x 600 (12,1”)
Display area size (mm h-v)	170,4 x 127,8	211,2 x 158	246 x 185
Columns by Rows/Character dimensions	Depending on used Font		
Contrast adjustment	Software		
Character set	Programmable fonts/TTF Windows® (also Unicode)		
Project memory (text+graphic) (bytes)	960K + 6M		
Recipes/Alarm buffer (bytes)	128K/8K FLASH		
Memory card for backup/Extension (bytes)	8M		
MSP serial port	RS-232/422/485/TTY 20 mA		
ASP serial port	RS-232/RS485 (15 pin)		
LPT parallel port	Centronics		
Integrated networks (option)	CAN, Profibus-DP, Ethernet		
Optional networks	Profibus-DP, Interbus-S, CAN		
ESA-Net (variables)	Server (512), Client		Server (1024), Client
External (W x H x D) (mm)	245,9 x 188,6 x 37,6	336,3 x 256 x 44	336,3 x 256 x 44
Cut-out (W x H) (mm)	233 X 176	314 X 240	314 X 240
Power supply/Power consumed (24 Vdc)	18...32 Vdc/15 W		
Protection level	IP 65 (frontal)		

Operating temperature (°C)	0...+50		
Storage/transport temperature (°C)	-20...+60		
Humidity (non-condensing)	<85%		
Weight (kg)	1,5	1,9	2,1
Project Languages	8		
Password levels/Bit passwords	10/8		
Pages/Fields per page	1024/256	1024/320	1024/400
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)	1024/512		
Trends (Memory/Number of samples)	6144/480	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)	256	320	400
Indicators,potentiometers,selectors per page	128	256	
Project images	BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, ETC...		
Buttons per page	Buttons per page Number of buttons corresponding to the number of Touch-Screen cells		
Hardware clock	Supercapacitor 72 hours		

Certifications	CE, cULus , Atex (Group II - cat.3 G D - zone 2/22)

ORDER CODES AND DESCRIPTION

VT580
Operator terminal with color graphic LCD 8,4” TFT display, SVGA (800x600), Touch Screen, 7 MB project, clock, 128 KB recipes

VT580WAPT00	MSP (RS232/422/485/TTY), ASP (RS232/485), LPT (Centronics)
VT580W0PTDP	MSP (RS232/422/485/TTY), LPT (Centronics), Profibus-DP network
VT580W0PTCN	MSP (RS232/422/485/TTY), LPT (Centronics), interfaccia CAN
VT580W0PTET	4,3″ Wide TFT, 262K colors, CREW, SP1, DP, ETH, USB A, USB B, MEMORY SLOT

VT585
Operator terminal with 10,4″ color graphic TFT LCD display, 30 rows by 80 characters, VGA (640 x 480), Touch Screen, 7 MB project, clock, 128 KB recipes

VT585WBPT00	MSP (RS232/422/485/TTY), ASP (RS232/485), LPT (Centronics)
VT585WBPTDP	MSP (RS232/422/485/TTY), LPT (Centronics), Profibus-DP network
VT585WBPTCN	MSP (RS232/422/485/TTY), LPT (Centronics), CAN interface
VT585WBPTET	MSP (RS232/422/485/TTY), LPT (Centronics), Ethernet 10/100

VT595
Operator terminal with 12,1" color graphic TFT LCD display, 30 rows by 80 characters, SVGA (800 x 600), Touch Screen, 7 MB project, clock, 128 KB recipes

VT595WAPT00	MSP (RS232/422/485/TTY), ASP (RS232/485), LPT (Centronics)
VT595W0PTDP	MSP (RS232/422/485/TTY), LPT (Centronics), Profibus-DP network
VT595W0PTCN	MSP (RS232/422/485/TTY), LPT (Centronics), CAN interface
VT595W0PTET	MSP (RS232/422/485/TTY), LPT (Centronics), Ethernet 10/100