



Text HMI

Evergreen solutions for durable control

Where a simple text based operator instructions and hardkey input is favoured, ESA Automation has the answer:

Text HMIs offer cost effective but powerful user/machine interaction with surprising clarity.

These are some features available on Text HMIs:

- Applications quickly executed
- Alarms, passwords, recipes
- Mathematical functions
- Two drivers run simultaneously
- Serial or parallel printing
- Integrated Profibus-DP and CAN
- Keyboard input/selection
- Powered by Polymath



VT50

HMI with text LCD display, 2 rows by 20 characters, 256 KB project, 8 operative keys (5 function keys). Available also with CAN interface.



VT150

HMI with text LCD display, 4 rows by 20 characters, 256 KB project, 25 operative keys (5+5 customizable function keys). Available with Profibus-DP network or with CAN interface.

VT60

HMI with text LCD display, 4 rows by 20 characters, 256 KB project, 6 operative keys (4 function keys). Available also with CAN interface.

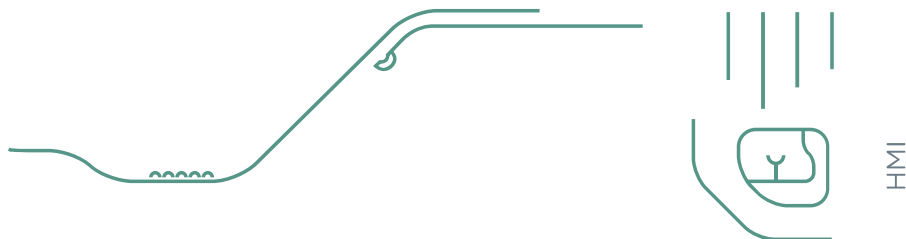
VT160

HMI with text LCD display, 4 rows by 20 characters, 256 KB project, 25 operative keys (5+5 customizable function keys), 18 customizable auxiliary keys. Available with Profibus-DP network.



VT170

HMI with text LCD display, 4 rows by 20 characters, 320 KB project, clock, 32 KB recipes, 36 operative keys (12 customizable function keys).



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	
Password levels/Bit passwords		-/8		10/8	
Pages/Fields per page		127/12		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	
Help messages (pages/info messages/alarms)		127/128/-		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
Certifications		CE, cULus			