



HANDHELD HMI

The power in your hands

Esa Automation offers the handheld solution HMI, with different kind of communication interface, serial and CAN. The handheld HMI is connected to the field with the standard cable. In the handheld solution you find 10 programmable Soft Key. The handheld solution is customizable with a different kind of buttons on the front, and on the rear we have the three-way “operator present” button.

Possibility to have a customized product tailored on your needs.



VT505H HMI
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, 10 mt cable



VT525H HMI
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, 10 mt cable

These are main features of ESA Automation handheld:

- Over 150 communication protocols for PLCs, inverters, temperature controllers and other devices.
- Fieldbuses connections to MPI and CANopen (only VT505H)
- Up to 150 pages with help, 1500 variables
- Multilanguage, including Oriental and Cyrillic characters
- Recipe handling, Alarms, 10 levels of Passwords
- Moving Graphical objects
- Unique programming software in 6 languages
- Connection to serial printer
- 10 Function Keys
- Three-way “operator present” button
- Mushroom-shaped start and stop button (lights up with “start”)
- IP65 protection all around
- Powered by Polymath

Features	VT505H	VT525H
Display Size	5,7”	
Display Technology	STN	
Display Colors	4 tones of blue	16 colors
Display Backlight	CCFL	
Display Resolution (pixel)	320 x 240	
Backlight life (hours)	45k	50k
Touch Screen Matrix (cell dimension in pixels h-v)	20 x 16 (16x15)	
Display area size (mm h-v)	115,2 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)	640K	960K
Recipes/Alarm buffer (bytes)	16K/- FLASH	32K/8K FLASH
MSP serial port	RS-232/422/485/TTY 20 mA - on VTHCB (excluded CAN version)	
ASP serial port	-	RS-232 - on VTHCB (excluded CAN version)
Integrated (option)	CAN	-
ESA-Net (variables)	Client	
Power supply (Vdc)	18 - 32	
Consumption (W)	10	
Operating temperature (°C)	0 ... + 50 (non condensing)	
Storage temperature (°C)	-20 ... + 60	
Humidity	<85% (non condensing)	
External dimensions (W/H/D) (mm)	250 x 222 x 100	
Weight (kg)	3	
Protection degree	IP 65 on all sides	
Project Languages	4	6
Password levels/Bit passwords	10/8	
Pages/Fields per page	128/34	150/48
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
Help messages (pages/info messages/alarms)	128/256/-	150/256/256
Alarm history buffer	-	220
Recipes (Number/Variables per recipe)	128/256	
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)	34	48
Project images	BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, ECC...	
Buttons per page	Number of buttons corresponding to the number of Touch-Screen cells	
Hardware clock	-	Supercapacitor 72 hours
Function keys	10	
Certifications	CE/cULus	