



## Graphic HMI

### Evergreen solutions for durable control

For those applications where more detail is needed than simple text and hard key input is important, the Graphic HMI is invaluable. Capable of importing advanced graphics and having up to 28 keys, these powerful units fulfill a common industrial requirement.

These are some features available on graphic HMIs:

- On-screen graphics
- Alarms, passwords, recipes
- Use of Windows® fonts
- Importation of graphic images in any format
- Moving graphic objects
- Two drivers run simultaneously
- Serial or parallel printing
- Integrated CAN
- Keyboard input/selection
- Powered by Polymath



#### VT130

HMI with 3" graphic LCD display, STN 4 tones of blue, 160x80, 512 KB project, clock, 128 KB recipes, 25 operative keys (5 function keys, 20 customizable). Available also with Profibus-DP network



#### VT330

HMI with 10,4" graphic LCD display, 256 colors, 30 rows by 80 characters, VGA (640 x 480), MSP (RS232/422/485/TTY), ASP (RS232/485), LPT (Centronics), 2,3 MB project, clock, 256 KB recipes, 74 operative keys (28 function keys, 16 customizable)

Features	VT130	VT330
Display Type	Graphic LCD 4 tones of blue STN	Graphic LCD 256 colors TFT
Display Backlight	White LED	CCFL
Display Resolution (pixel)	160 x 80 (3")	640 x 480 (10,4")
Backlight life (hours)	50k	30k
Display area size (mm h-v)	67 x 37	211,2 x 158
Columns by Rows/Character dimensions	Depending on used Font	
Contrast adjustment	Software	
Character set	Programmable fonts/TTF Windows® (also Unicode)	
Project (text+graphic) (bytes)	640K	640K+1792K
Recipes/Alarm buffer (bytes)	16K/8K FLASH	256K/8K RAM
Memory card for backup/Expansion (bytes)	-	8M/4M (graphic)
MSP serial port	RS-232/422/485/TTY 20mA	
ASP serial port	RS-232 (8 pin)	RS-232/RS485 (15 pin)
LPT parallel port	-	Centronics
Integrated (option)	Profibus-DP	-
Optional	Profibus-DP, CAN, Interbus-S	
ESA-Net (variables)	Client	Server (256), Client
Power supply (Vdc)	18 - 32	
Consumption (W)	10	15
Operating temperature (°C)	0 ... +50 (non condensing)	
Storage temperature (°C)	-20 ... +60	
Humidity	< 85% (non condensing)	
External dimensions (W/H/D) (mm)	166 x 100 x 39,6	435 x 260 x 74
Cut-out (W/H) (mm)	157 x 91	403 x 240
Weight (kg)	0,5	4
Protection degree (front)	IP 66	
Project Languages	4	8
Password levels/Bit passwords	10/ 8	
Pages/Fields per page	64/22	1024/304
Format of variables	DEC, HEX, BIN, BCD, ASCII, Floating point	
Dynamic texts/Lists of images	Dynamic texts/Lists of images Value depends on dimensions of project memory	
ISA alarms/Info-messages	256/256	1024/1024
Help messages (pages/info messages/alarms)	64/256/256	1024/1024/1024
Alarm history buffer	220	256
Recipes (Number/Variables per recipe)	128/256	1024/512
Trends (Memory/Number of samples)	-	8192/640
Pipelines (Number/Total bytes)	-	64/512
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)	32	304
Indicators,potentiometers,selectors per page	-	256
Project images	BMP, JPEG, TIFF, .... etc	BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, .... etc
Hardware clock	Supercapacitor 72 hours	With battery
Operative/function/alphanumeric keys	10/5/10	19/28/27
Certifications	CE, cULus , (Group II - cat.3 G D - zone 2/22)	