

## Graphic HMI

### Evergreen solutions for durable control

	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)	50 K	30 K
Display area size (mm h-v)	67 x 37	211,2 x 158
Columns by rows/Character dimensions	Depending of used Font	
Contrast adjustment	Software	
Character set	Programmable fonts/TTE Windows <sup>®</sup> (also Unicode)	
Project (text+graphic) (bytes)	640 K	640 K + 1792 K
Recipes/Alarm buffer (bytes)	16 K/8 K FLASH	256 K/8 K RAM
Memory card for backup/Expansion (bytes)	-	8 M/4 M (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 dimensions (W/H/D) (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, WMS, PNG, EPS, ... etc
Hardware clock	Supercapacitor 72 hours	With battery
Operative/function/ alphanumeric keys	10/5/10	19/28/27
Certifications	CE/ cULus ATEX 2014/34/UE directive Group II Category 3 G D Zone 2/22	CE/ cULus