



# Touch Operator Panels for ServoStep™ and MAC motor® integrated motors



**HMI-GL043 – 4.3”**

**HMI-GL070 – 7”**

**HMI-GL100 – 10.1”**

## Wide range of high quality Human Machine Interface panels for use with the integrated servo and stepper motors from JVL

JVL now provide a wide range of excellent HMI operator panels for all our integrated motors. Available screen sizes from 4,3" to 15" with resolutions up to 1024 x 768 (this data sheet covers models with 4,3"..10" screens).

Enjoy easy creation of operator screens using the HMI-SW2 development software package for Windows 10 (DTools with JVL software drivers).

## Key Features

- Connects to all ServoStep™ sizes from NEMA 17 to 43
- Connects to all MAC motor® sizes from 50 W to 4500 W
- Large number of screen control elements:  
Trend graphs, alarms, bar graphs, meters and more
- Good connectivity: even the smallest panels have 2 serial ports and USB-port
- Can act as a gateway between different motors or PLCs
- Easy and intuitive development software
- Fast boot times reduce waiting time after power on or download
- Advance Timer functions let you mask out individual bits in MAC/MIS/SMC66..85 registers



	HMI-GL043	HMI-GL070	HMI-GL100	HMI-GL150E	Unit
<b>Performance</b>					
Display Size & Type	4.3" TFT	7" TFT	10.1" TFT	15" TFT	
Resolution	480 × 272	800 × 480	1024 × 600	1024 × 768	pixel
Brightness	250	250	400	420	cd/m <sup>2</sup>
Display Colors	16.7 M			65536	
Contrast Ratio	500:1			800:1	
COM port # 1	RS232 / RS485 / RS422				
COM port # 2	RS232				
Ethernet (HMI - HMI)	Optional			Yes	
Expandable memory	1 USB Host	1 USB Host	1 USB Host	1 USB Host	
<b>Electric Specs</b>					
Rated power (RMS)	2.0	3.6	6.0	16	W
Rated voltage	24 VDC				V DC
Input range	10...28 VDC			11...28 VDC	V DC
Power-down time max.	< 3 ms				
Insulation resistance	> 50 MΩ @ 500 VDC				
Dielectric strength test	500 VAC 1 minute				
<b>Physical Specs</b>					
Shell	Grey ABS				
Dimensions	132 × 102 × 33	204 × 150 × 34	280 × 193 × 36	398 × 298 × 47	mm
Cutout size	119 × 93	192 × 138	261 × 180	383 × 283	mm
Weight	0.21	0.5	0.9	3.0	kg
<b>Environment</b>					
Operating temperature	0...+50		-10...+55		°C
Storage temperature	-20...+60		-20...+60		°C
Operating humidity	10...90% Non-condensing				%
Storage humidity	10...90% Non-condensing				%
Sine Vibration test	10...500Hz, 30 m/s <sup>2</sup> , X-Y-Z direction				
Cooling method	Natural air cooling (no fan)				
Degree of protection	Front: IP65				

**Ethernet:** The optional Ethernet port is only for interconnection between 2 or more HMIs on the same machine. One HMI is connected to the master PLC or integrated motor: the rest of the HMIs can share this connection via an Ethernet cable. It cannot run the normal industrial Ethernet protocols (Profinet, EtherNet/IP, SERCOS, EtherCAT etc.).

**Cable HMI-to-Motor**, DSub → **5 pin** M12: Order item # **WI0060**

**Cable HMI-to-Motor**, DSub → **8 pin** M12: Order item # **WI0067**

**Software:** Order item # **HMI-SW2**