



## Industrial Automation - Products & Configurations

MH100 MONITOR		POWER [W]
Basic configuration	LCD TFT 8,4" • touch-screen with USB I/F • aluminum front panel • <b>24V DC isolated power supply</b> • Video input VGA and DVI-D • 12 months warranty	7

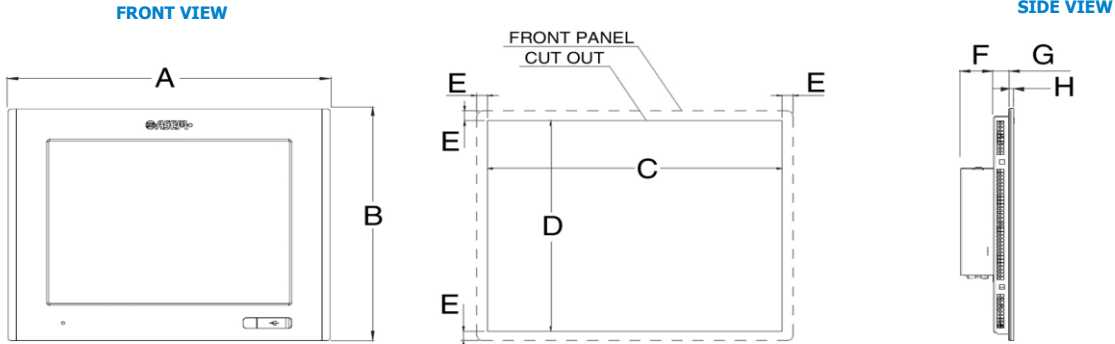
		NO FRONT USB > note 1		
<b>DISPLAY e TOUCH-SCREEN &gt; note 2</b>	8,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/80°:80° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no		
	10,1" W LCD TFT 16:10 • WXGA, 1280x800, 16M colors • LED backlight, 400cd/m2 • Viewing angle L:R/U:L (typ.): 88°:88°/88°:88° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 3	
	10,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight , 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 2	
	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:60° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	yes	+ 8	
	12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 600 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	yes	+ 13	
	12,1" W LCD TFT 16:10 • WXGA, 1280x800, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 88°:88°/88°:88° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 9	
	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/85°:85° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	yes	+ 15	
	15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 10	
	15,6" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/85°:85° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 19	
	17" LCD TFT 5:4 • SXGA, 1280x1024, 16M colors • LED backlight, 350 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 24	
	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/70°:70° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 20	
	18,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/85°:85° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 32	
	19" LCD TFT 5:4 MVA • SXGA 1280x1024, 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 36	
	21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L+R/U+L (typ): 89°:89°/89°:89° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 31	
	24" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89° Touch-Screen • 5 wires resistive technology • Controller integrated on board • I/F USB	no	+ 35	
	<b>POWER SUPPLY</b>	Input voltage 24V DC • not isolated		- 1
		Input voltage 24V DC • isolated		
		Input voltage 110/230V AC • autoranging		+ 0

OPTIONS		POWER [W]	
<b>SERIAL T/S</b>	RS232 serial interface for touch-screen • inside monitor installation • without external cable > note 3		1
	Extension cable for RS232 touch-screen interface (DB9M/DB9F) 1,8 mt		-
<b>VGA CONNECTION CABLES</b>	Cables kit 2 m VGA (VGA 2 m / USB 2.0 2 m) • with ferrite beads		-
	Cables kit 7 m VGA (VGA 10 m / USB 7 m) • with ferrite beads > note 4		-
	Cables kit 10 m VGA (VGA 10 m / USB 11 m amplified) > note 4		-
<b>DVI CONNECTION CABLES</b>	Cables kit 2 m DVI (DVI-D 2 m / USB 2.0 2 m) • with ferrite beads		-
	Cables kit 3 m DVI (DVI 3 m / USB 2.0 3 m) • with ferrite beads		-
	Cables kit 5 m DVI (DVI 5 m / USB 2.0 5 m) • with ferrite beads		-
	Cables kit 7 m DVI (DVI 7 m / USB 2.0 7 m) • with ferrite beads > note 4		-
	Cables kit 11 m DVI (DVI 11 m / USB 11 m amplified) • with ferrite beads > note 4		-
<b>WARRANTY EXTENSION</b>	Warranty extension to 18 month		
	Warranty extension to 24 months		
	Warranty extension to 36 months		

NOTES	
The power consumption of the configuration takes into consideration the maximum absorbed power of every component and does not include the consumption of the devices connected to the USB ports.	
<b>1:</b> The front panel has usually a protected USB port. For LCD where 'yes' is present, is available also the front panel WITHOUT the USB port.	
<b>2:</b> All the configurations are available with front glass in substitution of the touchscreen. See pg.355	
<b>3:</b> Usage of the serial interface exclude the USB interface operation for touch-screen	
<b>4:</b> With kit cables 7 m, USB 1.1 standard is ensured With kit cables 11m, USB 2.0 standard is ensured; USB cable has an amplified signal repeater in the middle; Repeater has dimensions of (mm) 32x17x90; distance of the repeater from the edges is 5 m and 6 m	



TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front panel	Aluminum • ASEM logo sticker
Touchscreen	5 wires resistive technology • on board controller • USB I/F (RS232 optional)
Frontal protection	IP66
Power supply	DC Input voltage 18÷32V DC • not isolated
	AC Input voltage 18÷36V DC • isolated
	AC Input voltage 90÷264 V AC • isolated • Autoranging
Frontal access interfaces	1 x USB 2.0 (Type-A)
Rear access interfaces	1 x VGA (DB15F) • 1 x DVI-D Single Link • 2 x USB 2.0 (Type A) • 1 x USB 2.0 (HUB input, Type B) • 1 x RS232 (DB9F) for T/S, optional
Environmental specifications	Operating temperature: 0° ÷ +50°C, 0° ÷ +45°C with LCD 19" (not MVA) and 24" • Storage temperature: -5° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cULus LISTED (UL508)
Standard warranty	12 months • Warranty management by ASEM headquarters

**DIMENSIONS (mm)**


LCD TFT	A	B	C	D	E	F	G	H	Weight (kg)
8,4"	250	210	230	190	10	45	19	5	3,1
10,1"	293	212	277	196	8	45	19	5	3,5
10,4"	300	245	280	225	10	45	19	5	3,9
12,1"	335	270	315	250	10	45	19	5	4,6
12,1" W	331	234	313	218	9	45	21	5	5,0
15"	390	315	370	295	10	45	19	6	5,3
15,6"	430	275	410	255	10	45	19	6	6,0
17"	455	355	435	335	10	45	21	6	6,7
18,5"	500	320	480	300	10	45	19	6	7,3
19"	490	388	470	368	10	45	21	6	7,3
21,5"	579	367	559	347	10	45	23	6	8,4
24"	640	402	620	382	10	45	21,3	8	9,1

