


Industrial Automation - Products & Configurations

MH100 MONITOR		POWER [W]
Basic configuration	LCD TFT 8,4" • touch-screen with USB I/F • aluminum front panel • 24V DC isolated power supply • Video input VGA and DVI-D • 12 months warranty	9

DISPLAY		POWER [W]
	8,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 600 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/60°:70°	
	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°	+ 0
	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:60°	+ 5
	12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 600 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°	+ 10
	12,1" W LCD TFT 16:10 • WXVGA, 1280x800, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 88°:88°/88°:88°	+ 7
	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/85°:85°	+ 13
	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°	+ 8
	17" LCD TFT 5:4 • SXGA, 1280x1024, 16M colors • backlight LED, 350 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80°	+ 22
	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°	+ 18
	19" LCD TFT 5:4 • SXGA 1280x1024, 16M colors • backlight LED, 350 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80°	+ 20
	19" LCD TFT 5:4 MVA • SXGA 1280x1024, 16M colors • backlight LED, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89°	+ 33
	21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • backlight LED, 300 cd/m2 • Viewing angle L+R/U+L (typ): 89°:89°/89°:89°	+ 28
	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°	+ 33

TOUCH-SCREEN		POWER [W]
	No Touch-Screen	-
	8,4" Touch-Screen • 5 wires resistive technology • USB I/F	no
	10,4" Touch-Screen • 5 wires resistive technology • USB I/F	no
	12,1" Touch-Screen 4:3 • 5 wires resistive technology • USB I/F	yes
	12,1" W Touch-Screen 16:10 • 5 wires resistive technology • USB I/F	no
	15" Touch-Screen • 5 wires resistive technology • USB I/F	yes
	15,6" W Touch-Screen • 5 wires resistive technology • USB I/F	no
	17" Touch-Screen • 5 wires resistive technology • USB I/F	yes
	18,5" W Touch-Screen • 5 wires resistive technology • USB I/F	no
	19" Touch-Screen • 5 wires resistive technology • USB I/F	no
	21,5" W Touch-Screen • 5 wires resistive technology • USB I/F	no
	24" W Touch-Screen • 5 wires resistive technology • USB I/F	no

POWER SUPPLY		POWER [W]
	Input voltage 24V DC • not isolated	- 1
	Input voltage 24V DC • isolated	-
	Input voltage 110/230V AC • autoranging	+ 0

OPTIONS	POWER [W]
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SERIAL T/S		POWER [W]
	RS232 serial interface for touch-screen • inside monitor installation • without external cable > note 2	1

DIRECT CONNECTION CABLES		POWER [W]
	Calbes kit 1,8 mt VGA (VGA 1,8 mt / USB 1,8 mt)	-
	Calbes kit 1,8 mt DVI (DVI 1,8 mt / USB 1,8 mt)	-
	Calbes kit 7,5 mt VGA (VGA 10 mt / USB 7,5 mt)	-
	Calbes kit 7,5 mt DVI (DVI 10 mt / USB 7,5 mt)	-
	Calbes kit 10 mt VGA (VGA 10 mt / USB 11 mt amplified)	-
	Calbes kit 10 mt DVI (DVI 10 mt / USB 11 mt amplified)	-
	Extension cable for RS232 touch-screen interface (DB9M/DB9F) 1,8 mt	-

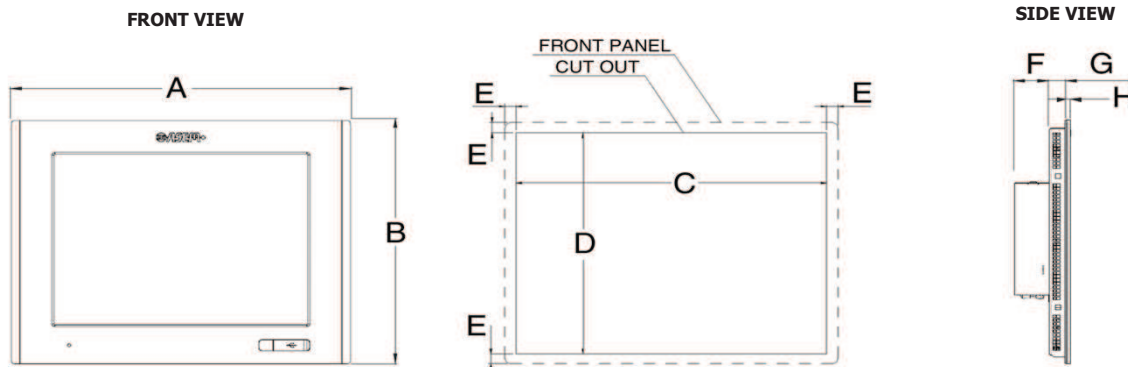
WARRANTY EXTENSION		POWER [W]
	Warranty extension to 18 months on basic system and its variants	
	Warranty extension to 24 months on basic system and its variants	
	Warranty extension to 36 months on basic system and its variants	

NOTES
<p>For power consumption calculation we recommend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.</p> <p>1: Glass Film Glass (GFG) touch-screen option: see pg.210 for the differences with standard touch-screen configuration</p> <p>2: Usage of the serial interface exclude the USB interface operation for touch-screen</p> <p>3: With kit cables 7,5mt, USB 1.1 standard is ensured</p> <p style="margin-left: 20px;">With kit cables 11mt, USB 2.0 standard is ensured; USB cable has an amplified signal repeater in the middle;</p> <p style="margin-left: 20px;">Repeater has dimensions of (mm) 32x17x90; distance of the repeater from the edges is 5mt and 6mt</p>



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
	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 for LCD ≤ 21,5", 0° ÷ +45°C with LCD 19" (not MVA) • 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
10,4"	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	216	9	45	21	5	tdb
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	tdb

