



Industrial Automation - Products & Configurations

MH121-TFX MONITOR

Basic configuration	LCD TFT 12,1" • touch-screen with USB interface • Stainless Steel TrueFlat front panel • 24V DC power supply not isolated • Video input VGA and DVI-D • 12 months warranty	
DISPLAY & TOUCH-SCREEN	MH121-TFX • 12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/60°:80° 12,1" Touch-Screen • 5 wires resistive technology • USB I/F	
	MH121X-TFX • 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° 12,1" Touch-Screen • 5 wires resistive technology • USB I/F	
	MH150-TFX • 15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 400 cd/m2 • Viewing angle: L:R/U:L (typ): 80°:80°/65°:80° 15" Touch-Screen • 5 wires resistive technology • USB I/F	
	MH170-TFX • 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° 17" Touch-Screen • 5 wires resistive technology • USB I/F	
	MH190-TFX • 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° 19" Touch-Screen • 5 wires resistive technology • USB I/F	
POWER SUPPLY	Input voltage 24V DC • not isolated	
	Input voltage 24V DC • isolated	
	Input voltage 110/230V AC • autoranging	

OPTIONS

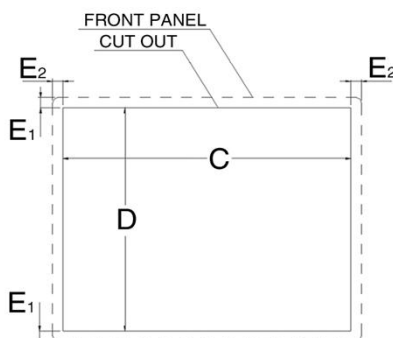
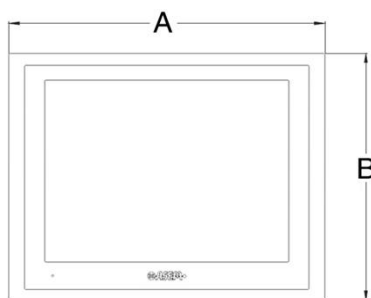
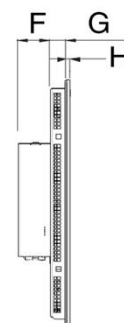
SERIAL T/S	RS232 serial interface for touch-screen • inside monitor installation • without external cable > note 1	
DIRECT CONNECTION CABLES	Calbes kit 1,8mt VGA (VGA 1,8mt / USB 1,8mt)	
	Calbes kit 1,8mt DVI (DVI 1,8mt / USB 1,8mt)	
	Calbes kit 7,5mt VGA (VGA 10mt / USB 7,5mt) > note 2	
	Calbes kit 7,5mt DVI (DVI 10mt / USB 7,5mt) > note 2	
	Calbes kit 10mt VGA (VGA 10mt / USB 11mt amplified) > note 2	
	Calbes kit 10mt DVI (DVI 10mt/ USB 11mt amplified) > note 2	
WARRANTY EXTENSION	Extension calbe for RS232 touch-screen interface (DB9M/DB9F) 1,8mt	
	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

- 1:** Usage of the serial interface exclude the USB interface operation for touch-screen
- 2:** With kit cables 7,5mt, USB 1.1 standard is ensured
With kit cables 11mt, 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 5mt and 6mt


TECHNICAL SPECIFICATIONS

Case	Panel mount
Front panel	TrueFlat stainless steel 1.4301 surface brushing grain 180 medium • Polyester Autoflex EB A180 RAL 7035 color • ASEM logo serigraph printed
Touchscreen	5 wires resistive technology • overlaminated with OCA (Optical Clear Adhesive) • on board controller • USB I/F (RS232 optional)
Overall dimensions & weight	See details on the related section below
Frontal protection	IP66K
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
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 ≤ 15", 0° ÷ +45°C for LCD ≥ 17" • Storage temperature: -5° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)
FRONT VIEW

SIDE VIEW


LCD TFT	A	B	C	D	E ₁ /E ₂	F	G	H	Weight (kg)
12,1"	335	270	315	250	10/10	45	19	5	4,6
15"	398	315	370	295	10/14	45	19	6	5,3
17"	455	355	435	335	10/10	45	21	6	6,7
19"	490	388	470	368	10/10	45	21	6	7,3

