

Panel mount KVM monitor

VisuNet KM8219



- 19 inch TFT display w/ optional touch screen
- Class I/Div 2, Class II/Div 2, ATEX/IECEX Zone 2, and ATEX Zone 22 approved
- Compression fit touchscreen ensures reliable continuous use
- Shock and vibration resistant
- Extended temperature range for indoor/outdoor use
- Connects to host PC via internal KVM extender

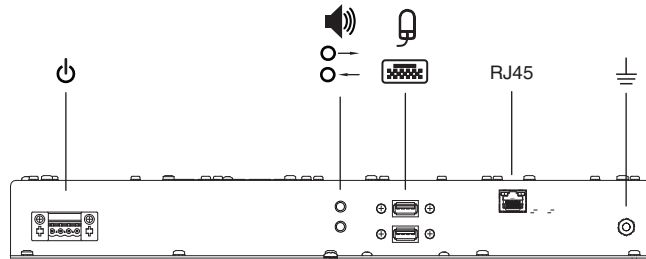
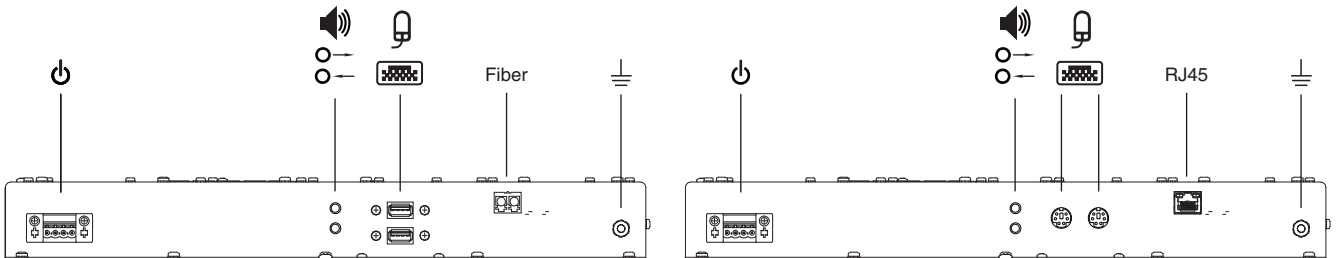
Industrial monitor designed for continuous use in harsh environments



Function

The KM8219 panel mount industrial HMI monitor is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications. This 19" monitor features an optional touchscreen and choice of three KVM types. The KVM monitor allows the display to connect to the host PC up to 400 m (1300 ft). The front bezel is rated Type 4/4X, IP66.

Connection



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

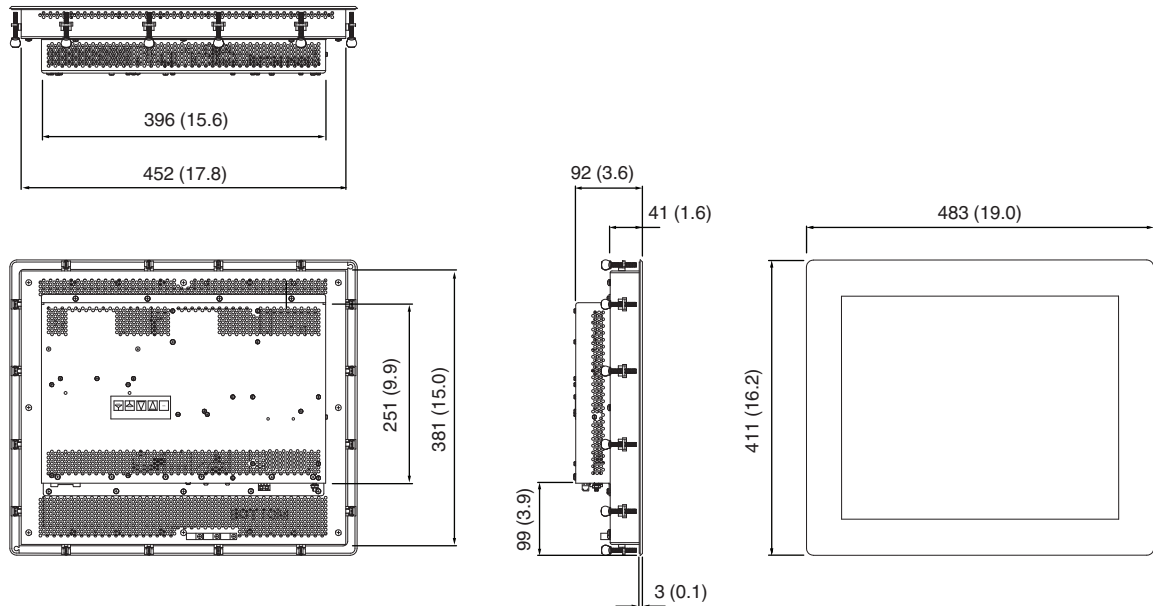
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Dimensions



Technical Data

General specifications	
Distance	Transmitter "K4": 120 m (400 ft) Transmitter "K5": 200 m (650 ft), 62.5 μ multimode; 400 m (1300 ft), 50.0 μ multimode
Supply	
Connection	Monitor: power, CAT5, fiber (LC)
Power consumption	Main unit: 20-30 VDC, 4.0 A max Transmitter "K4": 5 VDC @ 10 W, max Transmitter "K5": 5 VDC @ 10 W, max
Indicators/operating means	
Indicators	Transmitter "K4": video check LED; front panel - power Transmitter "K5": video check LED; front panel - power
Display	
Screen diagonal	19 inch (48.3 cm)
Response time	Standard: 12 ms High-bright: 5 ms
Resolution	1280 x 1024
Color depth	24 bit (16.7 M) color
Contrast	1000:1
Brightness	Standard: 450 cd/m ² (nits) High-bright: 1000 cd/m ² (nits)
Reading angle	160° in all directions
Life span	back lamp life: 50,000 hrs typical half life
Input devices	Transmitter "K4": 29-pin DVI-D; 2 x USB Type B (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6) Transmitter "K5": 29-pin DVI-D; 1 x USB Type B (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); fiber optic (multimode) LC connectors

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Technical Data

Touchscreen	5-wire resistive 5-wire hardened resistive
Serial data	
Baud rate	19.2 KBd max
Flow control	RTS, CTS, DTR, DSR
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013
Low voltage	
Directive 73/23/EEC	EN60950 (KVM transmitters)
Ambient conditions	
Operating temperature	-20 ... 50 °C (-4 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	0 ... 90% (noncondensing)
Shock resistance	30g, 11 ms, all axis
Vibration resistance	5 ... 100 Hz 1G, 12 m/s ²
Mechanical specifications	
Degree of protection	Type 4X (stainless steel) Type 4 (painted steel) IP66
Material	Bezel: black painted steel or 316L satinless steel
Installation	panel mount panel cutout: 455 x 386 mm (17.9 x 15.2 inch)
Mass	Main unit: 11.3 kg (25 lb) Transmitter "K4": 0.3 kg (0.7 lbs) Transmitter "K5": 0.3 kg (0.7 lbs)
Dimensions	Main unit: 483 x 411 x 92 mm (19 x 16.2 x 3.6 inch) Transmitter "K4": 104 x 135 x 36 mm (4.1 x 5.3 x 1.4 inch) Transmitter "K5": 104 x 135 x 36 mm (4.1 x 5.3 x 1.4 inch)
Data for application in connection with hazardous areas	
Certificate	DEMKO 12 ATEX 1107369X Ⓢ II 3G Ex nA nC IIC T4 Gc Ⓢ II 3G Ex nA IIC T4 Gc
Certificate	PF15CERTB098X Ⓢ II 3D Ex tc IIIC T85°C Dc ("B1" version only)
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012/A11:2013 EN 60079-15:2010 EN 60079-31:2014 ("B1" version)
IECEx approval	IECEx UL 12.0028X
International approvals	
UL approval	UL Listing (E190294) for Class I Div 2, Groups A, B, C, D Class II Div 2, Groups F, G UL Listing (E185778) for Ordinary Locations

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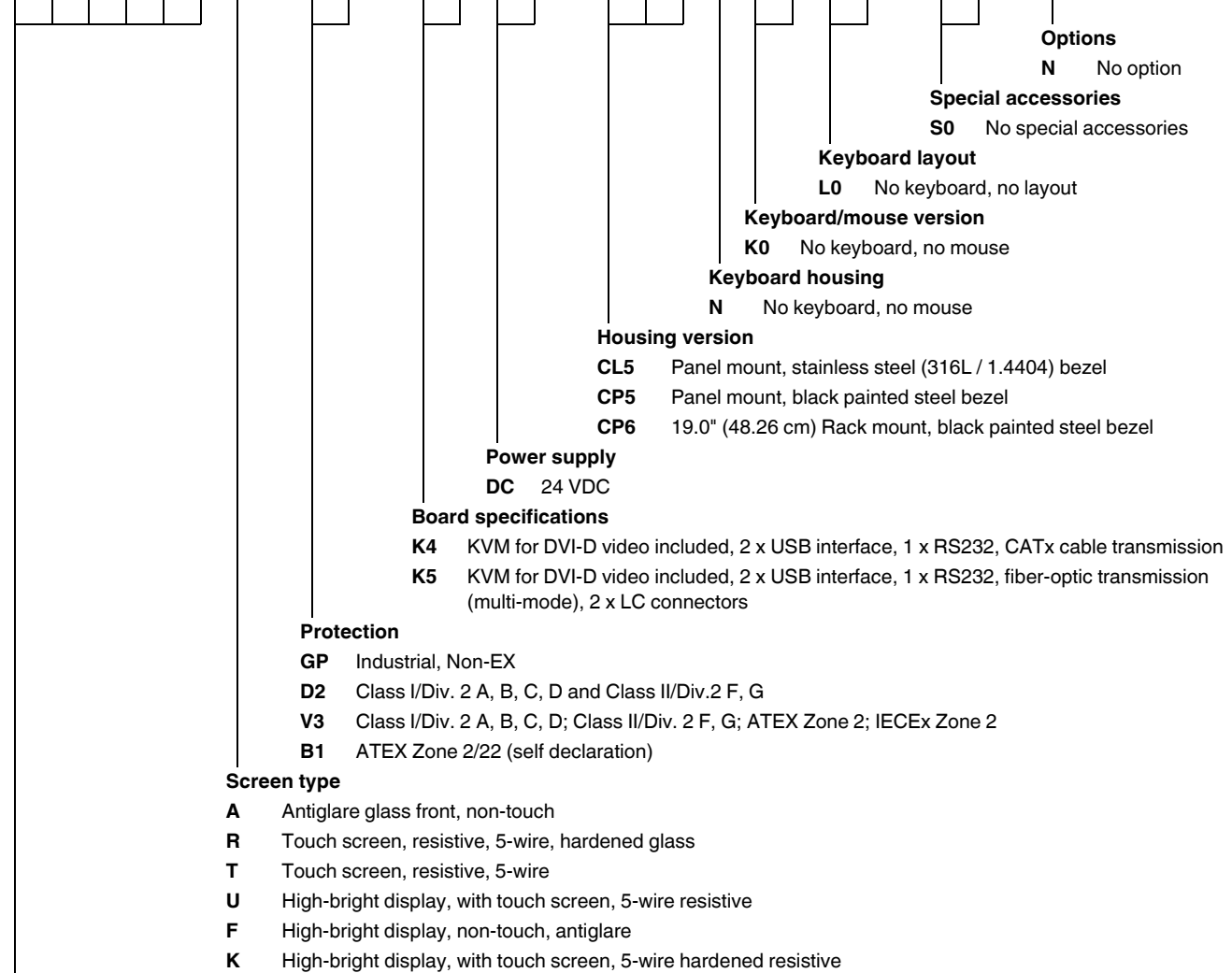
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Type Code

K M 8 2 1 9 A - G P - K 3 D C - C L 5 N K 0 L 0 - S 0 - N



Options
N No option

Special accessories
S0 No special accessories

Keyboard layout
L0 No keyboard, no layout

Keyboard/mouse version
K0 No keyboard, no mouse

Keyboard housing
N No keyboard, no mouse

Housing version
CL5 Panel mount, stainless steel (316L / 1.4404) bezel
CP5 Panel mount, black painted steel bezel
CP6 19.0" (48.26 cm) Rack mount, black painted steel bezel

Power supply
DC 24 VDC

Board specifications
K4 KVM for DVI-D video included, 2 x USB interface, 1 x RS232, CATx cable transmission
K5 KVM for DVI-D video included, 2 x USB interface, 1 x RS232, fiber-optic transmission (multi-mode), 2 x LC connectors

Protection
GP Industrial, Non-EX
D2 Class I/Div. 2 A, B, C, D and Class II/Div.2 F, G
V3 Class I/Div. 2 A, B, C, D; Class II/Div. 2 F, G; ATEX Zone 2; IECEx Zone 2
B1 ATEX Zone 2/22 (self declaration)

Screen type
A Antiglare glass front, non-touch
R Touch screen, resistive, 5-wire, hardened glass
T Touch screen, resistive, 5-wire
U High-bright display, with touch screen, 5-wire resistive
F High-bright display, non-touch, antiglare
K High-bright display, with touch screen, 5-wire hardened resistive

KM8219 KVM monitor, 19.0" (48.26 cm), SXGA (1280 x 1024 pixels), internal KVM

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