

**Features**

- 19 in TFT display w/ optional touch screen
- Seams continuously welded and ground smooth (Type 4/4X, IP66)
- Connects to host PC via internal KVM extender
- Class I, Div. 2 / ATEX Zone 2 approved

**Application**

VisuNet IND KM919 rugged industrialized housing was made to extended the control room into the toughest process conditions. The KVM extender option allows the display and the host PC be up to 400 m (1300 ft) apart and is certified for installation in Class I/Div 2 and ATEX Zone 2 hazardous locations.

Designed for manufacturing environments where dust, bacteria, water, and other undesirable materials might accumulate, the enclosure construction and surfaces provide wash down solutions proper drainage to prevent standing water and easily mounts utilizing the industry standard 100 mm VESA.

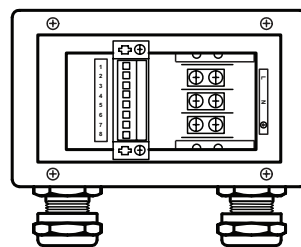
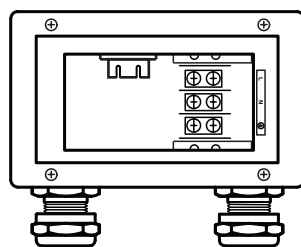
This 19" monitor features an optional touch screen, keyboard with various mouse options, and choice of one of three KVM types.



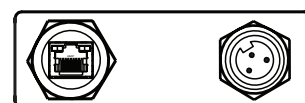
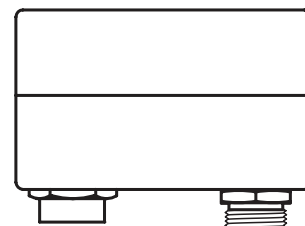
**Connection**

SP7 / SS7

CAT5 Terminals	Description
1.1	BI_DA + WH/GN
1.2	BI_DA - GN
1.3	BI_DB + WH/OR
1.4	BI_DC + BU
1.5	BI_DC - WH/BU
1.6	BI_DB - OR
1.7	BI_DD + WH/BN
1.8	BI_DD - BN



SP5 / SS5



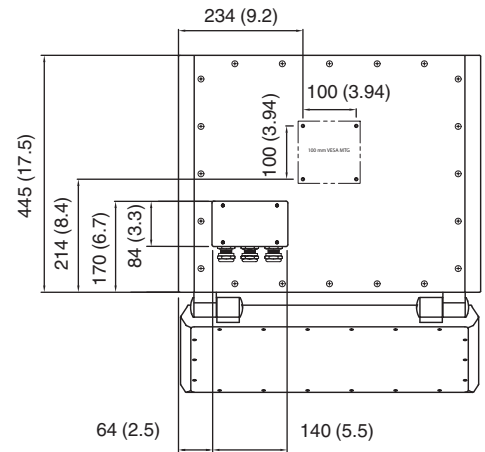
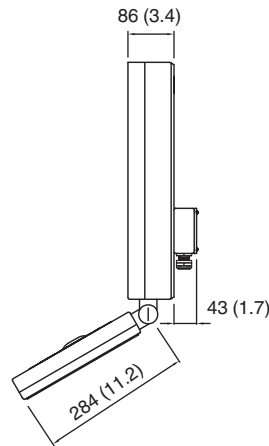
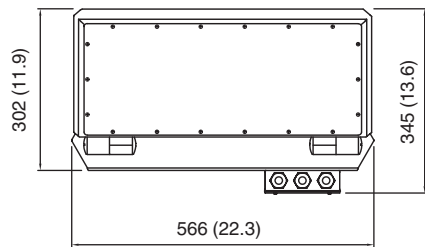
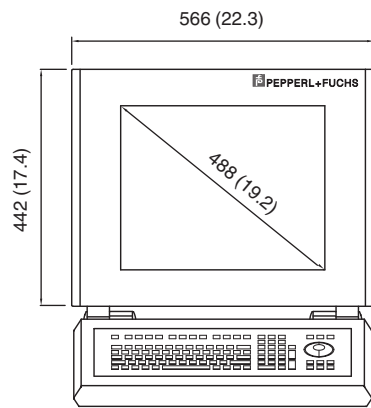
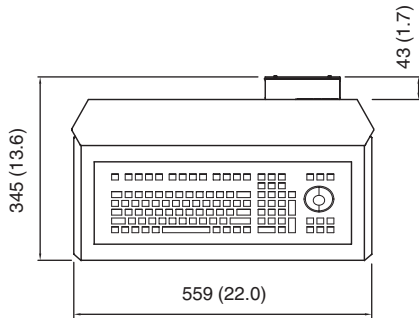
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

<b>General specifications</b>	
Distance	Transmitter "K3": 300 m (1000 ft) Transmitter "K4": 120 m (400 ft) Transmitter "K5": 200 m (650 ft), 62.5 μ multimode; 400 m (1300 ft), 50.0 μ multimode
<b>Supply</b>	
Connection	Monitor: power, CAT5, fiber (LC)
Power consumption	Main unit: 60 W max, 100 ... 240 VAC, 50 ... 60 Hz; 20-30 VDC Transmitter "K3": PS2 power Transmitter "K4": 5 VDC @ 10 W, max Transmitter "K5": 5 VDC @ 10 W, max
<b>Indicators/operating means</b>	
Indicators	Transmitter "K3": video check LED Transmitter "K4": video check LED; front panel - power Transmitter "K5": video check LED; front panel - power
<b>Display</b>	
Screen diagonal	19 in (483 mm)
Response time	12 ms
Resolution	1280 x 1024
Color depth	24 bit (16.7 M) color
Contrast	1000:1
Brightness	450 cd/m <sup>2</sup> (nits)
Reading angle	160° in all directions
Life span	Back lamp life: 50,000 hrs typical half life
Input devices	Transmitter "K3": VGA - HD15M/F; 2 x PS2 (keyboard & mouse); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6) 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
Touchscreen	5-wire resistive 5-wire hardened resistive
Keyboard	touchpad , optical trackball (50 mm) , joystick
<b>Serial data</b>	
Baud rate	19.2 KBd max
Flow control	RTS, CTS, DTR, DSR
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
<b>Ambient conditions</b>	
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 <sup>2</sup>
<b>Mechanical specifications</b>	
Degree of protection	Type 4X ( stainless steel ) Type 4 ( painted steel ) IP66
Material	Main enclosure: painted black steel or 316L stainless steel Main enclosure (rear cover): 6062 anodized aluminum, marine grade
Installation	100 mm ( 3.9 inch ) VESA mount
Mass	Main unit: 13.6 kg (30 lb) without keyboard; 19.1 kg (42 lb) with keyboard Transmitter "K3": 1.3 kg (2.9 lbs) Transmitter "K4": 0.3 kg (0.7 lbs) Transmitter "K5": 0.3 kg (0.7 lbs)
Dimensions	Main enclosure: 566 x 442 x 86 mm (22.3 x 17.4 x 3.4 inches), junction box adds 43 mm (1.7 inches) to depth Keyboard enclosure: 559 x 254 x 51 mm (22.0 x 10.0 x 2.0 inches) Transmitter "K3": 198 x 99 x 36 mm (7.8 x 3.9 x 1.4 inches) Transmitter "K4": 104 x 135 x 36 mm (4.1 x 5.3 x 1.4 inches) Transmitter "K5": 104 x 135 x 36 mm (4.1 x 5.3 x 1.4 inches)
<b>Data for application in connection with Ex-areas</b>	
EC-Type Examination Certificate	
Group, category, type of protection	⊕ II 3G Ex ic nA IIC T4 Gc
<b>International approvals</b>	
ETL Intertek	Class I, Div. 2 Groups A, B, C, D; T4

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Dimensions



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Type code

**K M 9 1 9 T - D 2 - K 5 A C - S S 7 N K 0 L 0 - S 0 - N**

**Options**  
**N** No options

**Special accessories**  
**S0** No special accessories

**Keyboard layout**  
**L0** No keyboard, no layout  
**US** Keyboard, layout U.S.

**Keyboard/mouse version**  
**K0** No keyboard, no mouse  
**K4** Foil keyboard & capacitive touchpad mouse  
**K6** Foil keyboard & joystick  
**K8** Foil keyboard & 50 mm optical trackball mouse  
**K9** Foil keyboard & resistive touchpad mouse

**Keyboard housing**  
**N** No keyboard, no mouse  
**C** Hinge mounted

**Housing version**  
**SP5** IND housing, black painted steel, rear junction box with IP67 connectors - "GP" Protection only  
**SS5** IND stainless steel (316L) housing, rear junction box with IP67 connectors - "GP" Protection only  
**SP7** IND housing, black painted steel, rear junction box with cable glands  
**SS7** IND stainless steel (316L) housing, rear junction box with cable glands

**Power supply**  
**AC** 90 - 260 V AC, 50 - 60 Hz - "GP" & "D2" Protection only  
**DC** 24 V DC

**Board specifications**  
**K3** KVM for VGA video included, 2x PS/2, ix RS232, analog CATx cable transmission  
**K4** KVM for DVI-D video included, 2x USB interface, 1x RS232, CATx cable transmission  
**K5** KVM for DVI-D video included, 2x USB interface, 1x RS232, fiber-optic transmission (multi-mode), 2x LC connectors

**Protection**  
**GP** Industrial, Non-EX  
**D2** Class I, Div. 2 Groups A, B, C, D  
**V3** Class I, Div. 2 Groups A, B, C, D / ATEX Zone 2

**Screen type**  
**A** Antiglare glass front, non-touch  
**R** Touch screen, resistive, 5-wire, hardened glass  
**T** Touch screen, resistive, 5-wire

**KM919** KVM monitor, 19 in (483 mm), SXGA (1280 x 1024 pixels), internal KVM