KVM Workstation
KM919 Series

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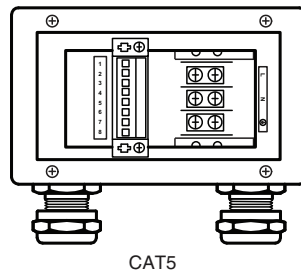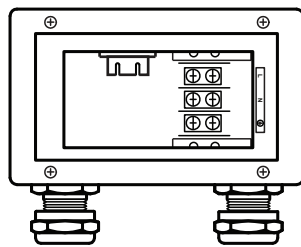- Class I, Div. 2 / ATEX Zone 2 approved

Function

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.
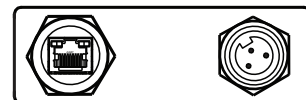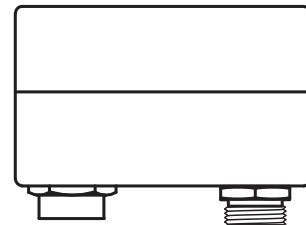
Connection

SP7 / SS7

Fiber

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

CAT5

SP5 / SS5

Fiber

CAT5

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

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PEPPERL+FUCHS

1

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: 50 ... 60 Hz; 20-30 VDC Transmitter "K4": 5 VDC @ 10 W, max Transmitter "K5": 5 VDC @ 10 W, max

Indicators/operating means

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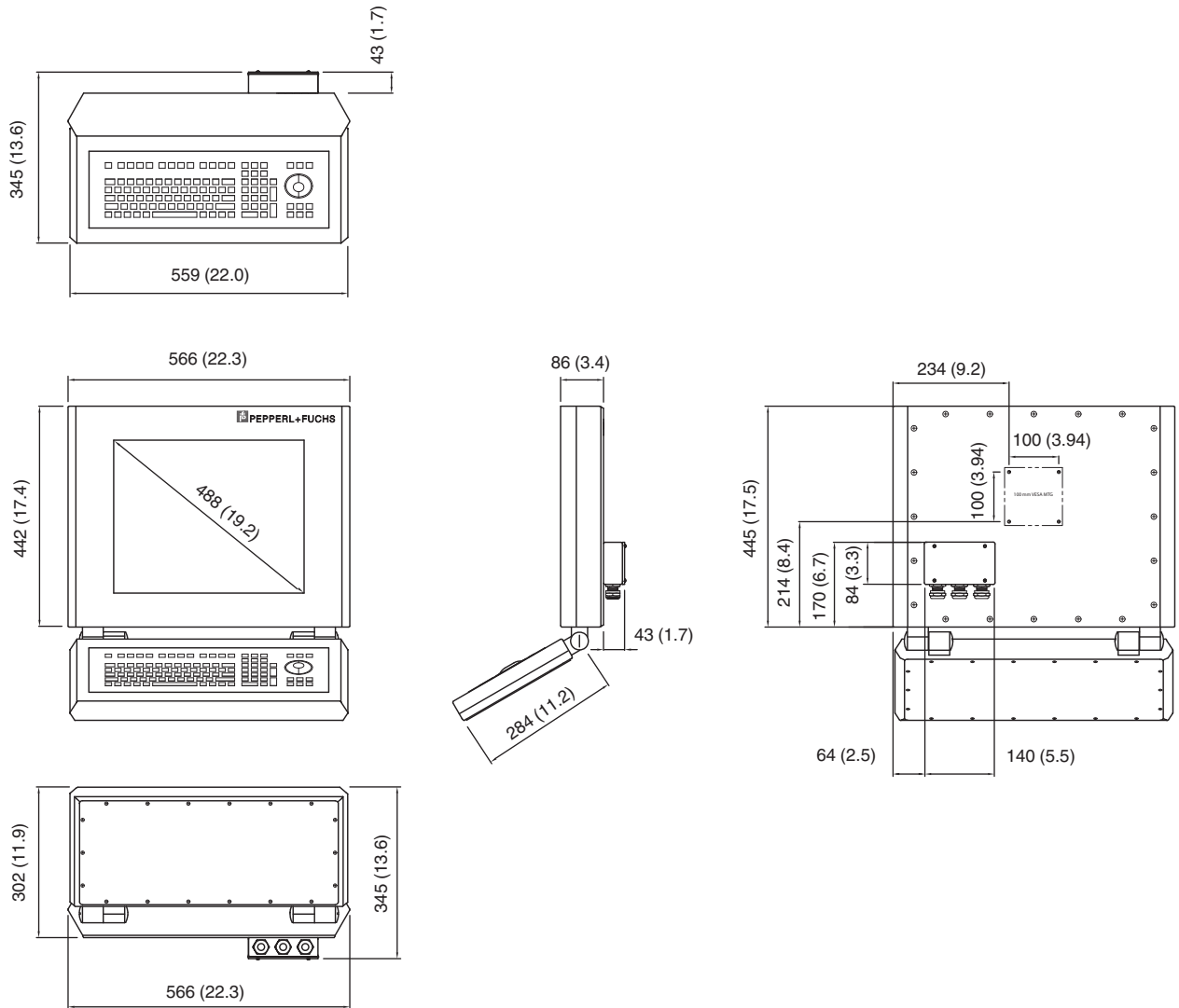
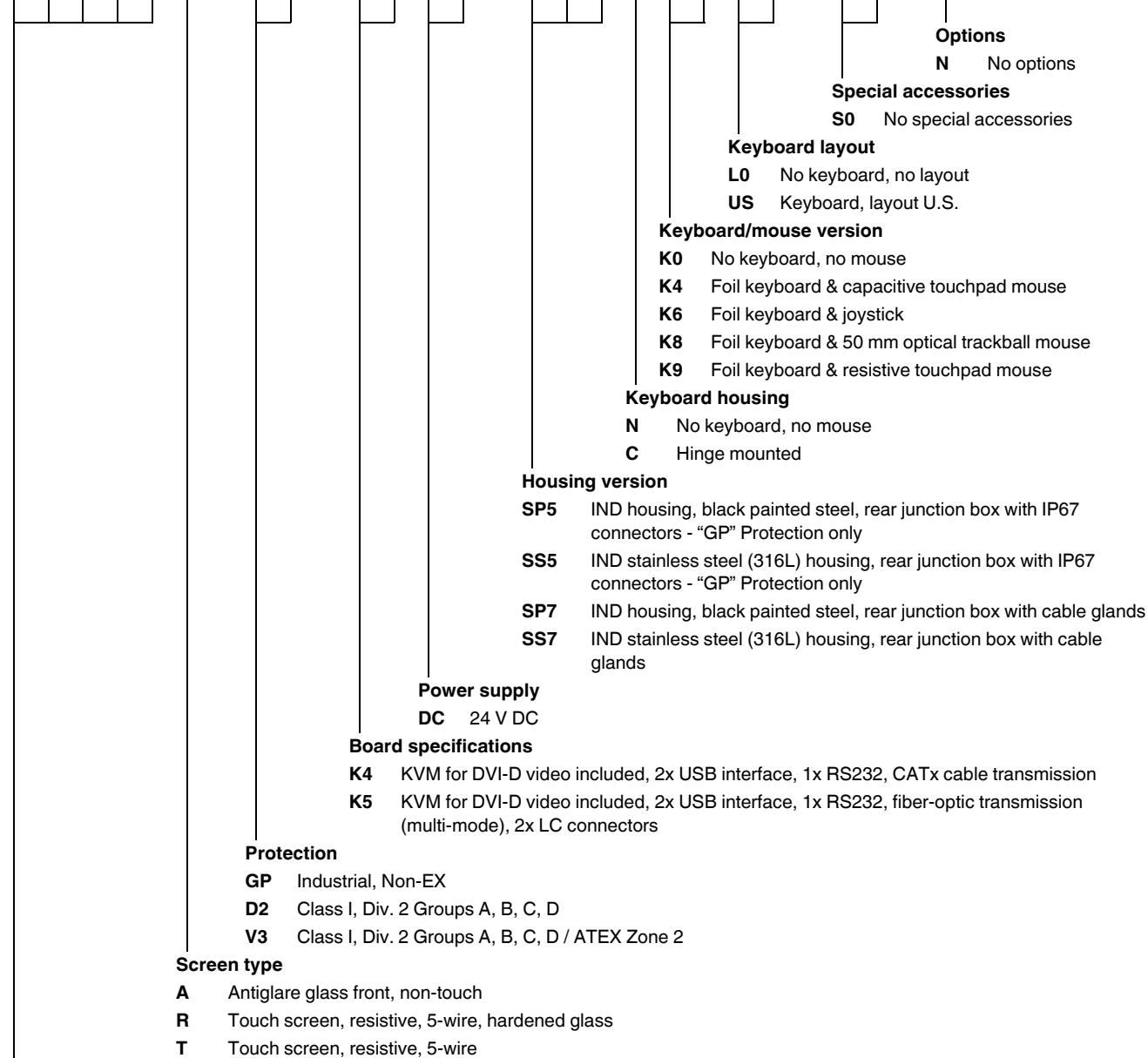Pepperl+Fuchs Group
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PEPPERL+FUCHS

2

Technical Data

Indicators	Transmitter "K4": video check LED; front panel - power Transmitter "K5": video check LED; front panel - power
Display	
Screen diagonal	19 inch (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^2 (nit)
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
Touchscreen	5-wire resistive 5-wire hardened resistive
Keyboard	touchpad , optical trackball (50 mm) , joystick
Serial data	
Baud rate	19.2 KBd max
Flow control	RTS, CTS, DTR, DSR
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
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	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 "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 inch), junction box adds 43 mm (1.7 inch) to depth Keyboard enclosure: 559 x 254 x 51 mm (22.0 x 10.0 x 2.0 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	
EU-type examination certificate	
Marking	Ⓔ II 3G Ex ic nA IIC T4 Gc
International approvals	
ETL approval	Class I, Div. 2 Groups A, B, C, D; T4

Accessories

	VESA CABLE FEEDTHROUGH	Slimline adapter plate

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

PEPPERL+FUCHS

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

DC   24 V DC

Board specifications

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

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