

Features

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

Application

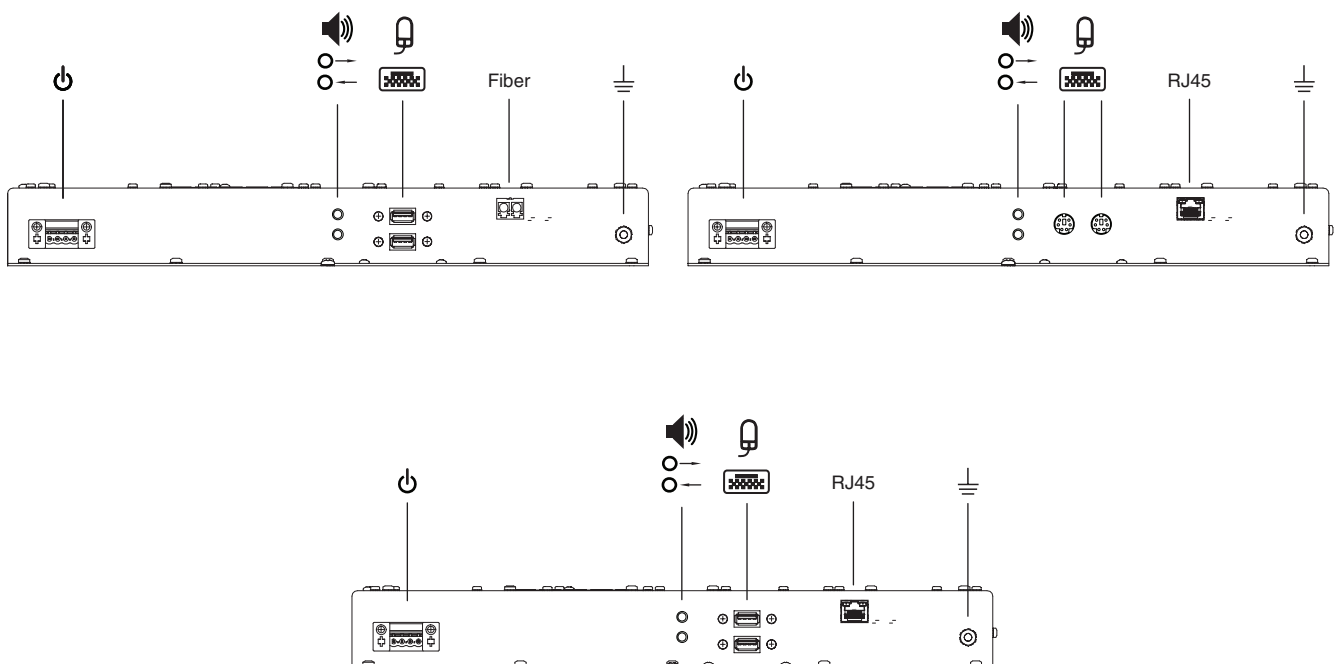
The KM8215 panel mount industrial HMI monitor is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications.

This 15" 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



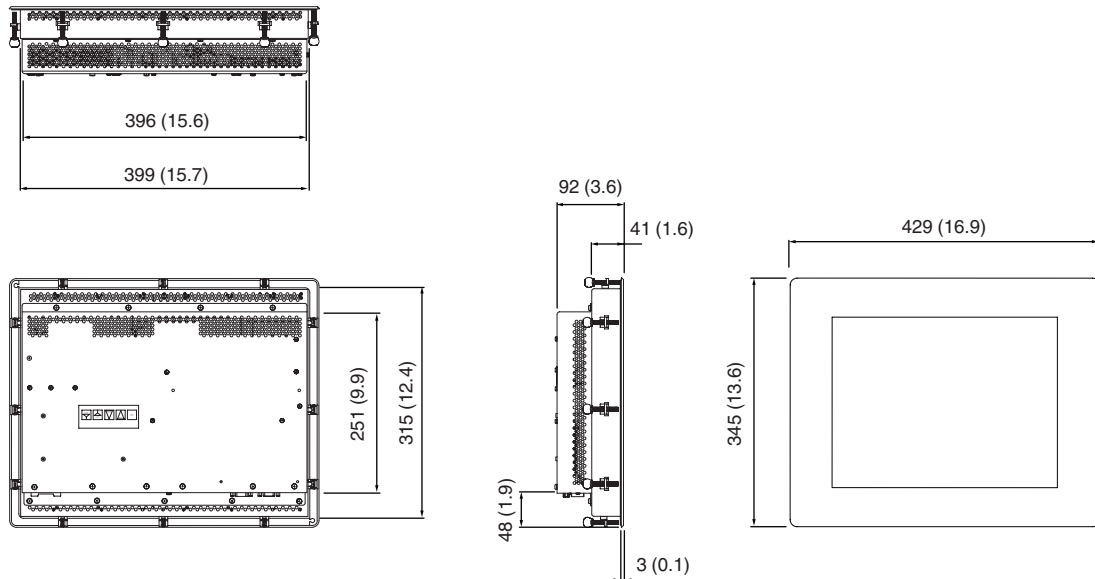
Release date 2012-12-14 21:45 Date of issue 2012-12-14 547158_eng.xml

General specifications	
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
Supply	
Connection	Monitor: power, CAT5, fiber (LC)
Power consumption	Main unit: 20-30 VDC, 2.5 A max Transmitter "K3": PS2 power Transmitter "K4": 5 VDC @ 10 W, max Transmitter "K5": 5 VDC @ 10 W, max
Indicators/operating means	
Indicators	Transmitter "K3": video check LED Transmitter "K4": video check LED; front panel - power Transmitter "K5": video check LED; front panel - power
Display	
Screen diagonal	15.0 " (38.1 cm)
Response time	18 ms
Resolution	1024 x 768
Color depth	24 bit (16.7 M) color
Contrast	600:1
Brightness	Standard: 500 nit Transflective: 600 nit Zone 2: 400 nit
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 A (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6) Transmitter "K5": 29-pin DVI-D; 2 x USB Type A (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); fiber optic (multimode) LC connectors
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 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3 (main unit) EN55022, EN55024, IEC61000-4-2, IEC61000-4-3, IEC61000-4.4, IEC61000-4.5, EN61000-3-2, EN61000-3-3 (KVM transmitters)
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)
Mechanical specifications	
Protection degree	Type 4X (stainless steel) Type 4 (painted steel) IP66
Material	Bezel: black painted steel or 316L satinless steel
Installation	panel mount panel cutout: 404 x 320 mm (15.9 x 12.6 inches)
Mass	Main unit: 8.6 kg (19 lb) 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 unit: 429 x 345 x 92 mm (16.9 x 13.6 x 3,6 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)
Data for application in connection with Ex-areas	
EC-Type Examination Certificate	
Group, category, type of protection	 II 3G Ex nA nC IIC T4 Gc  II 3G Ex nA IIC T4 Gc
Directive conformity	

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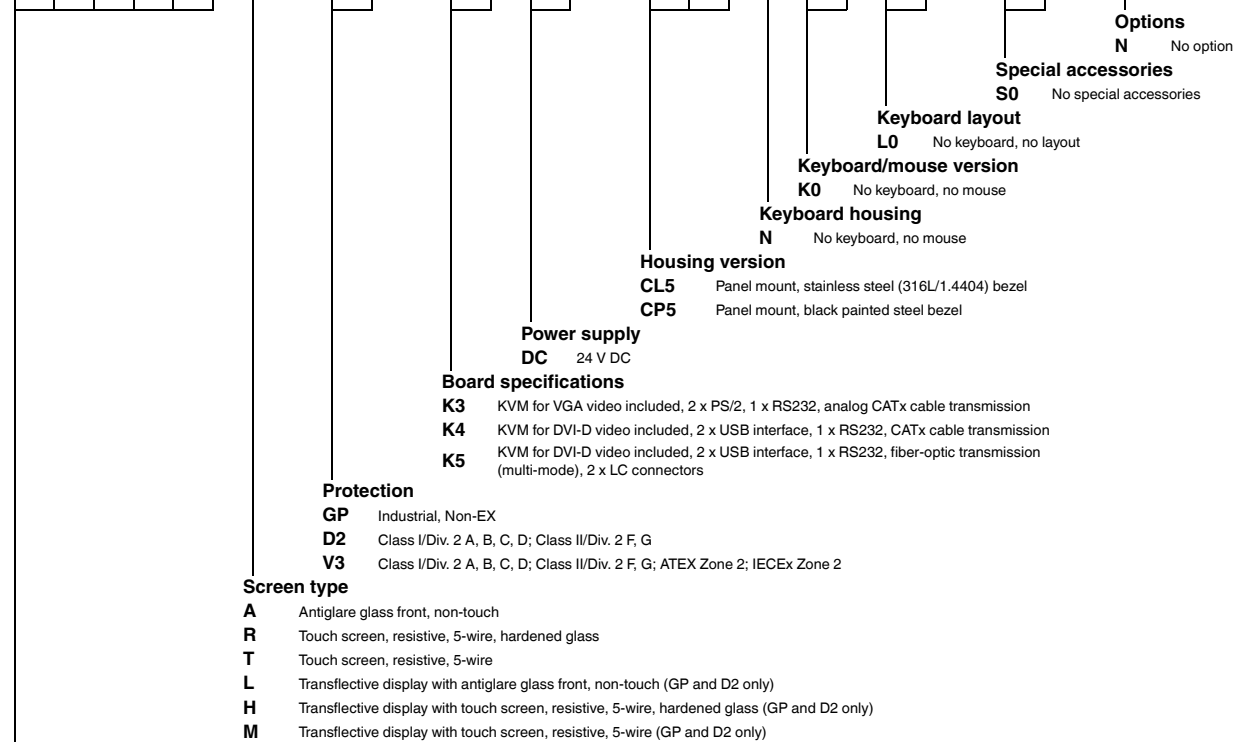
Directive 94/9/EC	EN 60079-15:2010 , EN 60079-0: 2009 IECEX 60079-15 (4th addition) , IECEx 60079-0 (5th addition)
International approvals	
UL approval	cULus : Class I/Div 2, A - D; Class II/Div 2, F & G; T4
IECEX approval	II 3G Ex nA nC IIC T4 Gc II 3G Ex nA IIC T4 Gc

Dimensions



Type code

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



KM8215 KVM monitor, 15.0" (38.1 cm), XGA (1024 x 768 pixels), internal KVM

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