ATEX-Ex HMI Monitor 7000 series



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
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Highlights

Explosion-proof HMI Monitor, which complies with ATEX and IEC Ex standards. Crafted from AISI 316L acid resistant stainless steel in a rugged fully encapsulated sealed cabinet that is easy to keep clean. Perfect for environments requiring ultimate protection: Life science, pharmaceutical, oil, gas, and chemical industries.
Besides the ATEX-Ex rating, this HMI Monitor is designed to withstand dust, water and cleaning. Obtain 24/7 operational reliability with low power consumption, passive cooling and no moving parts. Available in screen sizes from 15” to 21.5” with auto-calibrated multi touch technology.

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Optimise the workflow as well as safety, comfort and security. Achieve a significant return on investment and a competitive solution with Blue Line’s quality products.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

• Monitor for Explosive Environment

• ATEX & IECEx

• Stainless Steel AISI 316L

• Monitor 15" to 21.5"

• Projected capacitive multi touch

• Full HD resolution 1920 x 1080

• Operation with gloves

• IP66 water and dustproof

• Withstand tough detergents

• Fanless operation

• VESA / Panel mount

Specifications

Model Type

HMI stainless steel Ex monitor

Construction

Fully sealed enclosure in stainless steel AISI 316L

Cooling

Fanless

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Ingress Protection

IP66

Environment

Operating temperature	-20°C to +60°C
Storage temperature	-30°C to +70°C
Humidity	10 to 90% @ 40°C (non-condensing)

Certification

ATEX / IECEx Zone2 Ex nA ic IIC T4 Gc
ATEX / IECEx Zone22 Ex tc IIIC T135°C Dc
EN 60079-0:2012/A11:2013
EN 60079-11:2012
EN 60079-15:2010
EN 60079-31:2014
EN 60079-0:2018
CE/FCC Class A
CSA Std. C22.2 No213-1987
Class I, Division2, Groups A-B-C-D, T4
Class II, Division2, Groups F-G, T135°C
Class III
ANSI/ISA 12.12.01-2013

Display

15"	1024 x 768, 4:3, XGA	color TFT LCD
15.6"	1920 x 1080, 16:9, FHD	color TFT LCD
19"	1280 x 1024, 5:4, SXGA	color TFT LCD
21.5"	1920 x 1080, 16:9, FHD	color TFT LCD

Touch

Projected capacitive multi touch (supports gloves)

Brightness

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15"	450 nits (option for 1000 nits)
15.6"	400 nits
19"	350 nits (option for 1000 nits)
21.5"	300 nits

Colors

16.7M

Viewing Angle

15"	160/150
15.6"	160/140
19"	170/160
21.5"	178/178

Rear Input / Output

1 x M12 12pin for VGA with waterproof cap

1 x M12 USB for touch control with waterproof cap

1 x M12 3pin DC power with waterproof cap

External OSD BOX design with M12 3M OSD cable with waterproof cap

Power Supply

+9V to +36V DC-in by M12 3-pin C17

Power Consumption

15"	max 21.6W
15.6"	max 13W
19"	max 17W
21.5"	max 19W

Mounting

VESA 100

Panel mount

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Dimension and Weight

15"	Outer: H 324 x W 399 x D 70mm Cut-out: H 292 x W 367mm	8.5kg
15.6"	Outer: H 290 x W 440 x D 75mm Cut-out: H 262 x W 412mm	9.1kg
19"	Outer: H 388.6 x W 470 x D 75mm Cut-out: H 356.6 x W 438mm	12kg
21.5"	Outer: H 362 x W 571 x D 75.1mm Cut-out: H 330 x W 539mm	13.3kg

Accessories Included

1 x M12 to M12 (OSD signal) 3m cable
1 x External OSD BOX
1 x M12 to USB Male (touch signal) 3m cable
1 x M12 to VGA (DSUB P19 Male) 3m cable
1 x M12 to 3pin power input (w/o power adapter) 1m cable

Accessories Optional

Stainless steel wall mount with tilt
Panel mount kit
M12 to 3pin power input (w/o power adapter), 10m cable

Warranty and After Sales Support

Standard 1 year (option for 3 years)

Ordering Information

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