

## iPC-EX operator terminals 18" display

iPC-EX operator terminals can be used in the hazardous area category II 2G (zones 1 and 2). They can be connected to any PC with standard ports: 15 pin analog graphic card for monitor and PS/2 ports for a keyboard and a mouse. The operator terminals consist of several separate components:

- EXVID Exq display in various sizes and with various resolutions
- EXTA-K Exi keyboard with various mouse systems
- SK-KVM Line driver, converts the standard PC ports to optical fibre technology and connects the Ex components. It can also be used to connect a local operator terminal

Complete **Ex operator terminals** are available in the form of several packages, with a stainless steel surface-mounting case and keyboard / mouse:

- LETO-N Compact stainless steel case
- FERA-N Compact stainless steel case
- FERA-T Compact stainless steel case with desk console
- FERA-H Compact stainless steel case with heating
- AXENA-N Stainless steel case with swivel-type display
- AXENA-T Stainless steel case with swivel-type display with desk console
- AXENA-H Stainless steel case with swivel-type display and heating
- AXENA-V Stainless steel case with swivel-type display with cooling
- ORTRA-N Stainless steel command station

For **panel mounting** the housing REX with optionally orderable keyboard is available.

- REX Panel mounting, suitable for integration in any type of case

### EXVID-18SXC Exq 18.1" display

The EXVID Exq display can be used in the hazardous area category (zones 1 and 2). It can be connected to any PC by means of the SK-KVM. The display has SXGA resolution with 1280 x 1024 pixels as default. Other resolutions (VGA - UXGA) can be zoomed to SXGA (SK-KVM). From the point of view of the software application, the display is an 'ordinary' monitor. The software therefore does not need to be modified in any way.



## Technical data

<b>EXVID-18SXC</b>	
<b>Approval:</b>	
Type of protection	II2G, EEx qe [ib] IIC T4
Approval	IBEXU 01 ATEX 1099
Degree of protection	Front panel: IP 65
<b>Ambient conditions (operation):</b>	
Temperature range	-20 °C – +40 °C
Relative humidity	Max. 85% without condensation (48 h endurance test)
<b>Ambient conditions (storage):</b>	
Temperature range	-20 °C – +70 °C
<b>Mechanical data:</b>	
Resolution	SXGA 1280 x 1024 pixels
Type	TFT, LCD, High Color
Refresh rate	75 Hz
Screen diagonal	18.1"
Contrast	400:1
Brightness	270 cd/m <sup>2</sup>
Viewing angle	170°
Weight	Approx. 37 kg
Dimensions (W x H x D) in mm	583 x 483 x 133
Supply voltage Type -DC: fuse FUSE for EXVID-30-50ATH (See page 36) Shut-off rating I <sub>A</sub> =50A	24V DC ± 20%, typ. 2.5 A, max 3 A (Exe)
Type -AC: fuse FUSE for EXVID-30-20ATH (See page 36) Shut-off rating I <sub>A</sub> =35A	100 V AC / 50 - 60 Hz, typ. 0.6 A, max 0.72 A (Exe) 240 V AC / 50 -60 Hz, typ. 0,25A, max. 0,3A (Exe)
Material Front panel	Stainless steel (1.4301), brushed, graining 240 µm
Rear panel	Stainless steel (1.4301)
<b>Data ports:</b>	
PC interface	Optical fibre cable from display to linedriver up to maximum 750 m Type Optical fibre: 2 x 50/125 µ with SC plug connectors
Keyboard	Type: TTL/ PS/2 (Exi, screw terminal)
Mouse	Type: TTL/ PS/2 (Exi, screw terminal)
Barcode reader (optional)	Type: ENT-DC (Exi, screw terminal)
OSD menu control	Type: digital (Exi, screw terminal)
Enable switch keyboard + mouse (optional)	Type: digital (Exi, screw terminal)