

## POLARIS Web Client/Remote PC 12.1"

### Features

- Remote desktop solution
- Presentation of HTML pages
- Direct linkage in explosive areas
- Ethernet interface
- Easy front panel fitting
- Ex e and Ex i USB interface
- Graphic-capable TFT colour display

### Description

The POLARIS Web Client/Remote PC 12.1" is based on Windows® XP Embedded and supports a remote desktop connection to control a remote computer through Ethernet. The Microsoft Internet Explorer is available on the device for presenting HTML pages.

Allows high-performance visualisation and operation of the processes directly on site.

The wired electrical connections are realized via a terminal compartment of the "e" type of protection (increased safety).

The state-of-the-art display technology guarantees an optimum contrast, even with large viewing angle.

The front panel fitting assures easy installation. Upon request, the devices are also available as turn-key system solutions in a stainless steel enclosure as wall, floor or ceiling mounting versions.

An intrinsically safe USB interface is available for a USB Ex i memory stick.

Intrinsically safe input devices can be connected also. The touch screen (intrinsically safe) offers the optimum in operating comfort.

### Explosion protection

#### Ex protection type

**ATEX** Ex II 2G Ex db eb qb [ib op pr] IIC T4  
Ex II 2D Ex tb IIIC T120°C IP 6X

#### Certification

IBExU 05 ATEX 1117 X

#### IECEx

Ex db eb qb [ib] IIC T4  
Ex tb IIIC T120°C IP 6X

#### Certification

IECEx IBE 11.0007 X

#### Further approvals

INMETRO, GOST-R

#### Protection class

IP 65 (front side)

IP 54 (rear side)

### Technical data

#### Construction

Front panel fitting

#### Display

- 12.1" graphic-capable TFT colour display
- 262.144 colours
- VGA resolution 800 x 600 pixels
- Brightness up to 350 cd/m<sup>2</sup>
- Visible area approx. 249 x 188 mm
- Contrast 400:1
- Antireflection coating glass pane
- Touchscreen (resistive)

#### Backlight illumination

- CFL technology
- Service life approx. 50.000 hours (at +25 °C)

#### Operating system

Windows® XP Embedded (pre-installed)

#### Keyboard (short-stroke keys)

- alphanumeric key block
- 4 cursor keys
- 12 function keys

#### Interfaces

- 1 x Ex e Ethernet 100/10BaseT (option of optical fibres)
- 1 x Ex e USB
- 1 x Ex i USB for Ex i memory stick
- 1 x Ex i PS/2 for intrinsically safe mouse

#### Dimensions (width x height x depth)

440 mm x 275 mm x approx. 135 mm

#### Wall cut-out

425 mm x 255 mm + 0.5 mm

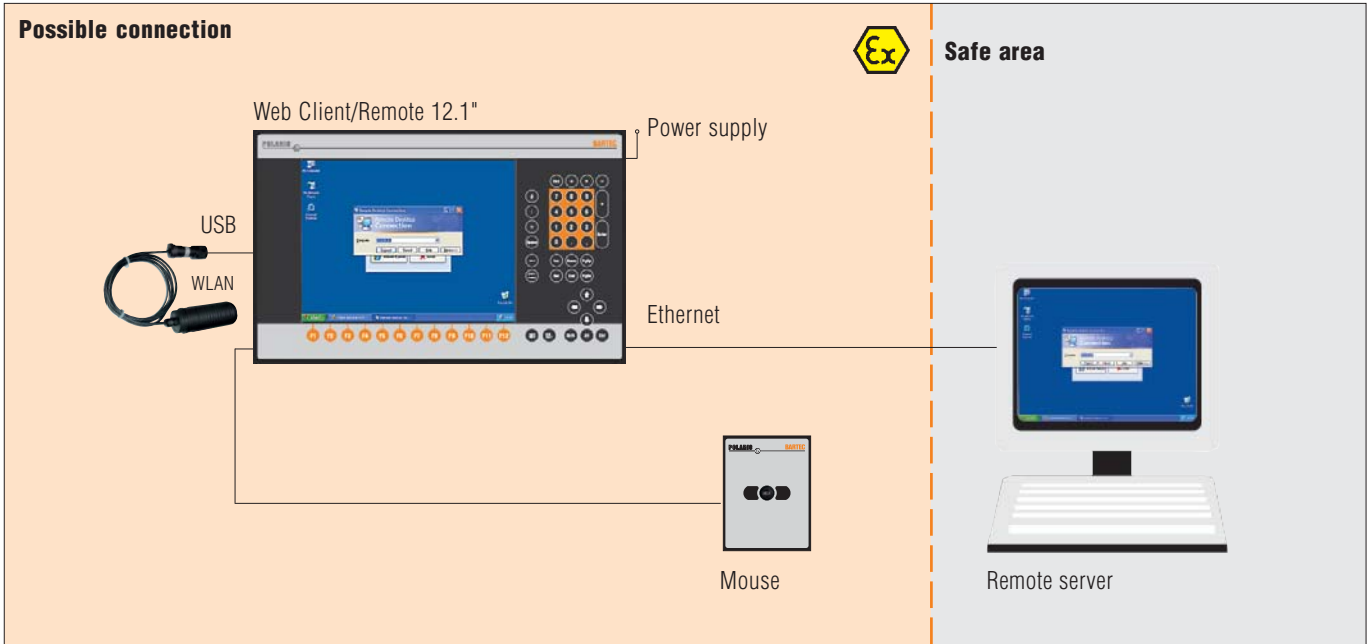
#### Weight

approx. 18 kg

#### Supply voltage

DC 24 V ± 10 %

AC 100 to 230 V, 50 to 60 Hz



**Input voltage range**

DC 24 V ± 10 %  
AC 90 V to 253 V

**Max. power consumption**

$P_{max.} < 25 \text{ W}$

**Admissible ambient temperatures**

Storage -20 °C to +50 °C  
Operation 0 °C to +50 °C

System solution with heating on request.

**Humidity**

5 to 95 % non-condensing

**Vibration**

0.7 G/1 mm; 5 Hz - 500 Hz pulse in all 3 axes

**Shock**

15 G, 11 ms pulse in all 3 axes

**Material**

Front Polyester foil on anodised aluminium plate (conditionally UV-resistant)  
Rear panel galvanised sheet steel, bichromated

**Selection chart**

Version	Code no.	Input voltage range	Code no.
Web Client/Remote PC 12.1" with touchscreen	8	AC 90 up to 253 V	00
		DC 24 V	01

➔ **Complete order no. 17-71V3-**

Please insert correct code.  
Technical data subject to change without notice.  
You will find the accessories with order details on the accessories pages.