



POLARIS Remote 15"

Features

- Easy front panel fitting
- Graphic-capable TFT colour display
- Easy wiring
- Connection of standard PCs in non-hazardous areas
- Optional touchscreen
- Transmission through fibre optical waveguide or copper
- OSD menu, with setting keys on the front
- Reduction in costs by cascading several POLARIS remote devices to one PC
- Optional as Composite Video

Description

The POLARIS Remote 15" unit by BARTEC is a display with keyboard and mouse with which a PC can be operated in safe areas of hazardous areas.

Distances of up to 20 km are possible.

POLARIS Remote 15" offers the user the possibility to use PC-based process control systems, without restrictions in hazardous areas.

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

The screen of the Remote 15" is a TFT display with an XGA resolution and is characterised by its excellent brilliance and a very large reading angle.

Intrinsically safe input devices can be connected also. Optionally, a touchscreen (intrinsically safe), assuring an absolutely maximum operator convenience, is available.

Connection in the safe area is realized via a local unit (included in delivery).

Explosion protection

Marking Zone 1 and 21

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

Certification

IBEXU 05 ATEX 1117 X

IECEX Ex db eb qb [ib op pr] IIC T4
Ex tb IIIC T120 °C

Certification

IECEX IBE 11.0007 X

Further approvals

INMETRO

Variant for Zone 2

see BARTEC Internet: www.bartec.de

Technical data

Construction

Front panel fitting

Protection class

IP 65 (front)
IP 54 (back)

Display

- 15" graphic-capable TFT colour display
- 16.7 million colours
- XGA resolution 1024 x 768 pixels
- Brightness 350 cd/m²
- Visible area approx. 304 x 228 mm
- Contrast 700:1
- Antireflection coating glass panel
- Optional touchscreen

Backlight illumination

- LED technology
- Service life approx. 50,000 hours (at +25 °C)

KVM connection to the PC

via Local unit

Requirement to the base station

Keyboard and mouse with a PS/2 connector; VGA connection or graphics card with the following technical data:

- VGA, SVGA, XGA, SXGA resolution
- Vertical sync frequency 60 to 75 Hz

Transmission distance

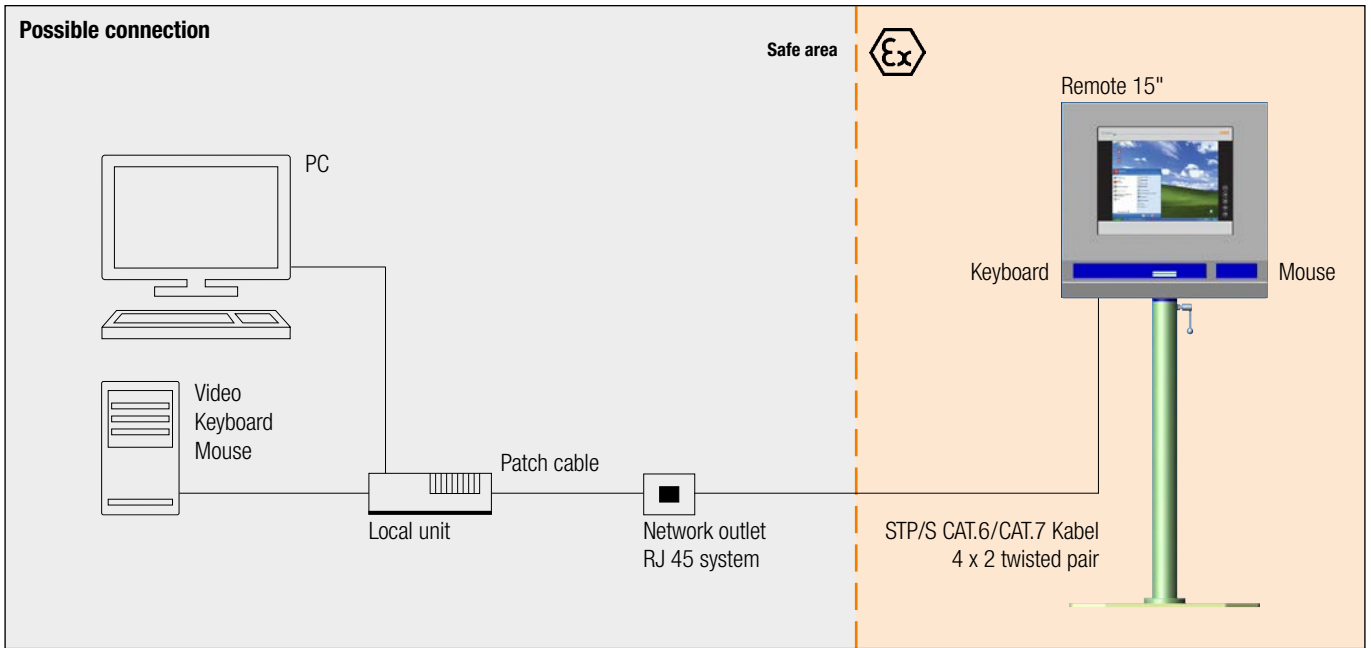
- up to 300 m via STP/S copper cable VGA/PS2 (RS232 Touch)
- up to 100 m via STP/S copper cable DVI/USB
- up to 500 m via multi-mode fibre optic cable DVI/USB
- up to 20 km via single-mode fibre optic cable DVI/USB

Composite Video

Connection via Ex e terminals

Power supply

AC 90 to 253 V, 50 to 60 Hz
DC 24 V ± 10 % on request
DC 12 V (9 to 18 V)



Max. power consumption

$P_{max} < 60 \text{ W}$

Dimensions (width x height x depth)

411 mm x 332 mm x approx. 135 mm

Wall cut-out

394.5 mm x 315.5 mm + 0.5 mm

Weight

Approx. 23 kg

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 to 500 Hz pulse in all 3 axes

Shock

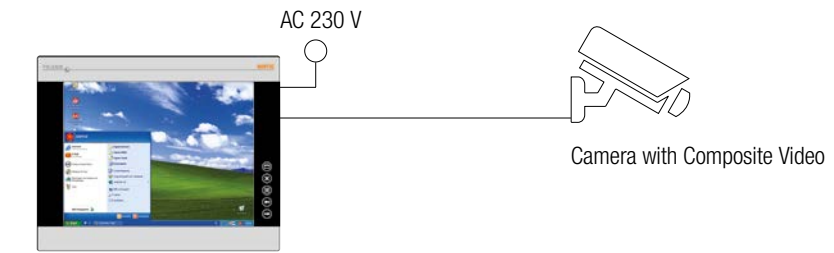
15 g/11 ms pulse in all 3 axes

Material

Front Polyester foil on anodised aluminium plate (conditionally UV-resistant)

Back galvanised sheet steel, bichromated

Connection



Selection chart

Version	Code no.	Connection	Code no.
Remote 15" without touchscreen	4	up to 300 m via STP/S copper cable VGA/PS2	00
		up to 300 m via STP/S copper cable VGA/PS2 supply module for hand-held scanner*	04
		up to 100 m via STP copper cable DVI/USB	17
		up to 100 m via STP copper cable DVI/USB supply module for hand-held scanner	18
Remote 15" with touchscreen	6	up to 500 m via multi-mode fibre optic cable DVI/USB	21
		up to 500 m via multi-mode fibre optic cable DVI/USB supply module for hand-held scanner*	22
		up to 20 km via single-mode fibre optic cable	on request
		Composite Video Input*	16

*(not with touchscreen)

➔ **Complete order no. 17-71V2-**

Please insert correct code.

Technical data subject to change without notice.

You will find the accessories with order details on the accessories pages.