

POLARIS Remote 19.1"

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

Description

The POLARIS Remote 19.1" 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 10,000 m are possible.

POLARIS Remote 19.1" offers the user the possibility of using any currently available PC-based process control system, without any restrictions in the Ex area.

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 19.1" is a TFT display with an SXGA 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

Ex protection type

ATEX II 2G Ex eb qb [ib op pr] IIC T4
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

- 19.1" graphic-capable TFT colour display
- 16.7 million colours
- SXGA resolution 1280 x 1024 pixels
- Brightness 300 cd/m²
- Visible area approx. 380 x 305 mm
- Contrast 1300:1
- Antireflection coating glass pane
- Optional touchscreen

Backlight illumination

- CFL technology
- Service life approx. 40,000 hours (at +25 °C)

Connection to the PC

- Connection to VGA
- PS/2 keyboard and PS/2 mouse port
- via cable STP/S; 4 x 2 x 23 AWG optionally via fibre optic cable

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

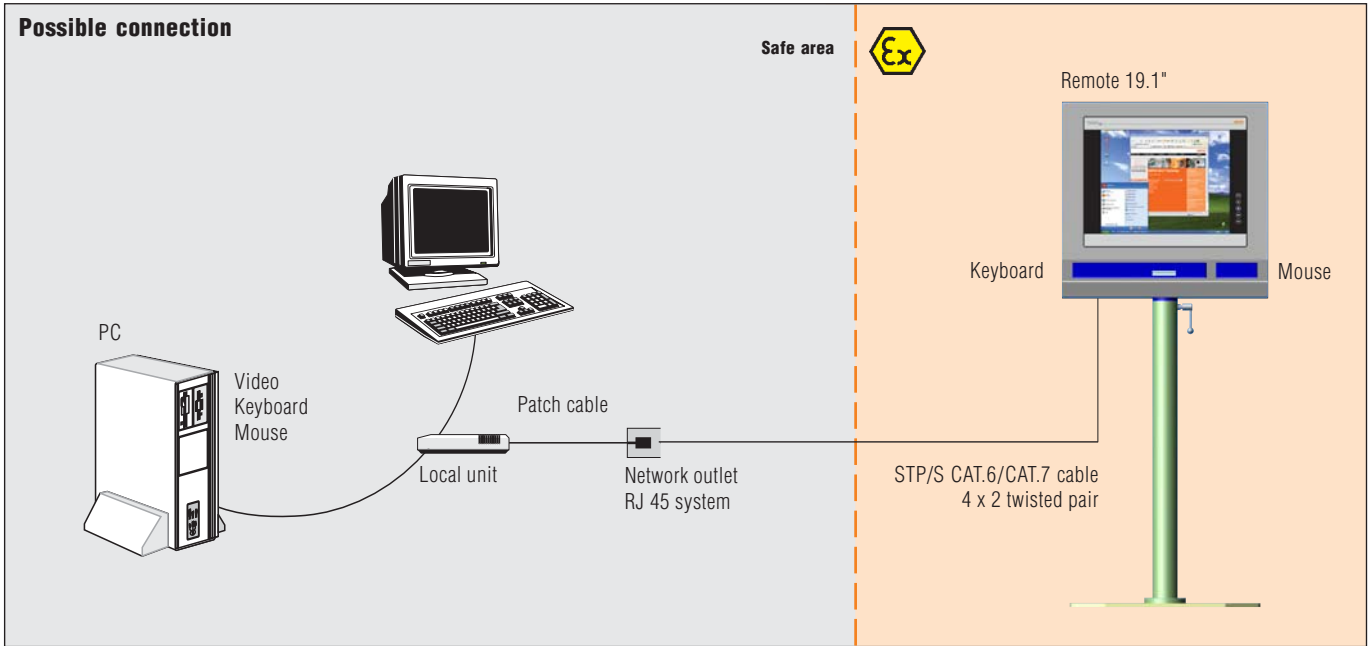
- up to 300 m via STP/S copper cable
- up to 400 m via 50 µm multi-mode fibre optic cable
- up to 10,000 m via 9 µm single-mode fibre optic cable (on request)

Power supply

AC 90 up to 253 V, 50 up to 60 Hz
DC 24 V ± 10 % on request

Max. power consumption

P_{max.} < 60 W



Dimensions (width x height x depth)
498 mm x 400 mm x approx. 135 mm

Wall cut-out
484 mm x 386,5 mm + 0.5 mm

Weight
approx. 33 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 - 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 bichromatiert

Selection chart

Version	Code no.	Interface	Code no.
Remote 19.1" without touchscreen	5	for STP/S copper cable (up to max. 300 m)	00
		for STP/S copper cable (up to max. 300 m) supply module for hand-held scanner*	04
Remote 19.1" with touchscreen	7	for 50 µm multi-mode fibre optic cable (up to max. 400 m)	08
		for 50 µm multi-mode fibre optic cable (up to max. 400 m), supply module for hand-held scanner*	12

*(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.