



The POLARIS Remote 19.1" unit by BARTEC is a display which a PC can be operated in safe areas of hazardous areas. Distances of up to 10000 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. On 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. Intrinsicly safe input devices can also be connected. The optional touchscreen (intrinsicly safe) offers the ultimate in operating comfort. Connection in the safe area is realised via a local unit (included in scope of delivery).

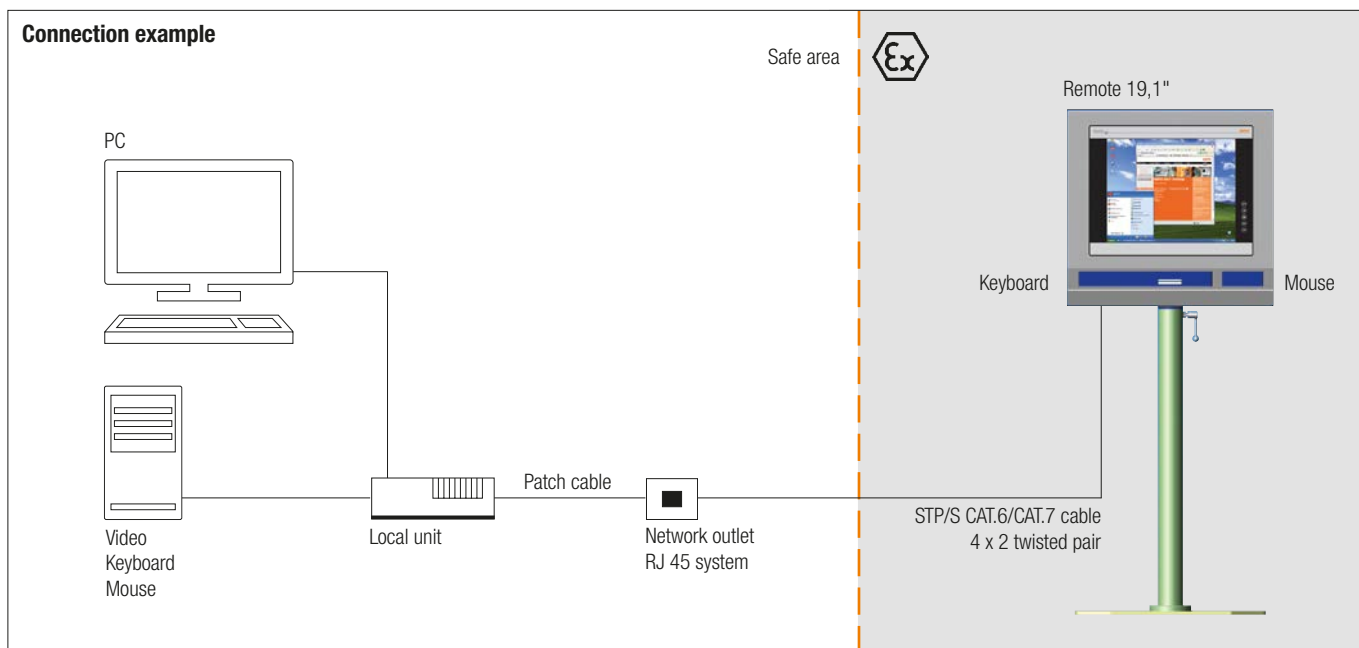
Explosion protection

Marking ATEX Zone 1 und 21	II 2G Ex db eb qb [ib op pr] IIC T4 II 2D Ex tb IIIC T120 °C
Certification	IBExU 05 ATEX 1117 X
Marking IECEx	Ex db eb qb [ib op pr] IIC T4 Ex tb IIIC T120 °C
Certification	IECEx IBE 11.0007 X
Other approvals and certificates, see	www.bartec.de
Variant for Zone 2	www.bartec.de

Technical data

Construction	Front-panel fitting
Protection class	IP 65 (front) IP 54 (back)
Display	19.1" graphics-capable TFT colour display 16.7 million colours SXGA resolution 1280 x 1024 pixels Brightness 300 cd/m ² Visible area approx. 380 x 305 mm Contrast 1300:1 Antireflection-coated glass pane Optional touchscreen
Backlighting	LED technology Service life approx. 40,000 hours (at +25 °C)

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
Cable length	POLARIS: terminals in the Ex e chamber Local unit: RJ45 connector Up to 300 m via STP copper cable VGA/PS2 (RS232 Touch) Up to 100 m via STP copper cable DVI/USB Optical fibre version POLARIS: ST connector Local unit: LC connector Up to 500 m via multi-mode optical fibre (50 µm/125) DVI/USB Up to 20 km via single-mode optical fibre (9/125 µm) DVI/USB
Power supply	AC 90 to 253 V, 50 to 60 Hz DC 24 V ± 10 % on request
Max. power consumption	P _{max.} < 60 W
Optional accessories	Hand-held scanner on request
Dimensions (W x H x D)	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.
Relative air 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: bichromated sheet steel



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Ordering information

Description	Code no.	Interfaces	Code no.	Variant	Code no.
Remote 19.1" without touchscreen	5	up to 300 m via STP/S copper cable VGA/PS2	00	AC 90 to 253 V	0
		up to 100 m via STP copper cable DVI/USB	17		
		up to 500 m via multi-mode optical fibre cable DVI/USB	21	DC 24 V	1
Remote 19.1" with touchscreen	7	up to 20 km via single-mode optical fibre cable	on request		
		Composite video Input*	16		

* not with touchscreen

Complete order no. 17-71V2- 0 / 00 0

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