



The POLARIS Remote 15" unit by BARTEC is a display 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. 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 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 also be connected. The optional touchscreen (intrinsically safe) offers the ultimate in operating comfort. Connection in the safe area is realised via a local unit (included in scope of delivery).

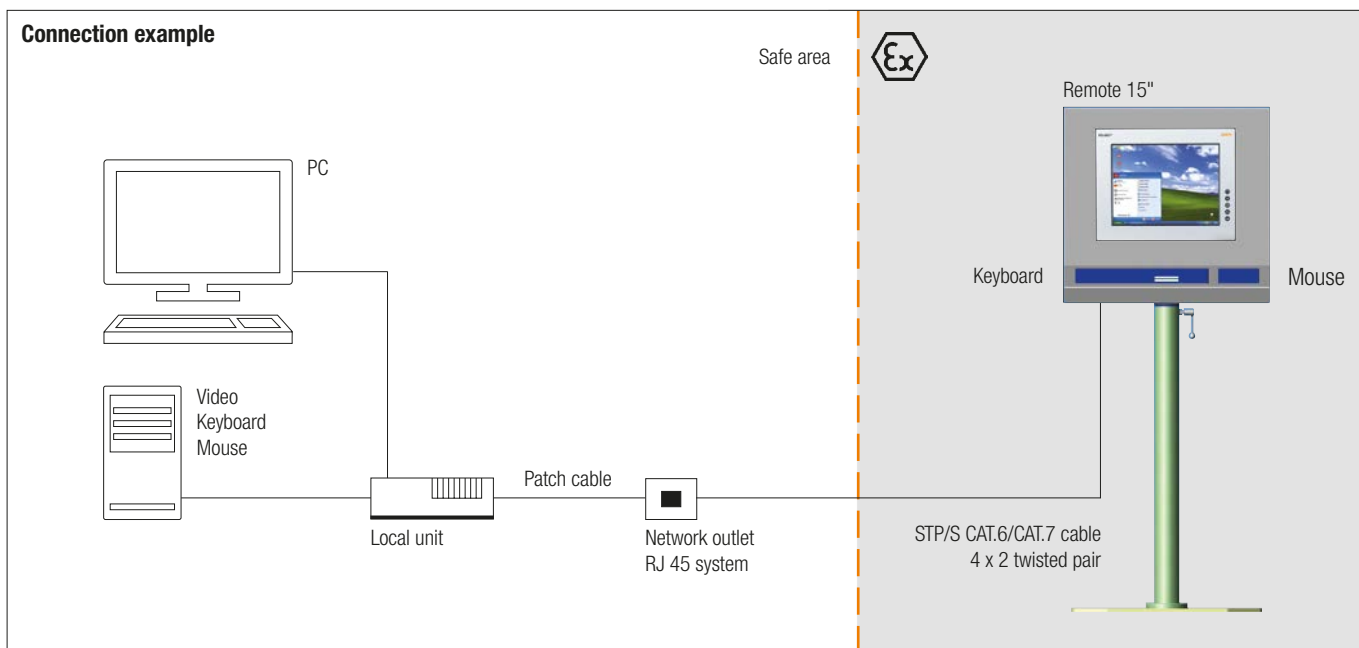
**Explosion protection**

Marking ATEX Zone 1 and 21	II 2G Ex db eb q [ib] IIC T4 Gb II 2D Ex tb IIIC T120 °C Db
Certification	IBExU 05 ATEX 1117 X
Marking IECEx	Ex db eb q [ib] IIC T4 Gb Ex tb IIIC T120 °C Db
Certification	IECEx IBE 11.0007 X
Other approvals and certificates, see <a href="http://www.bartec.de">www.bartec.de</a>	
Variant for Zone 2	<a href="http://www.bartec.de">www.bartec.de</a>

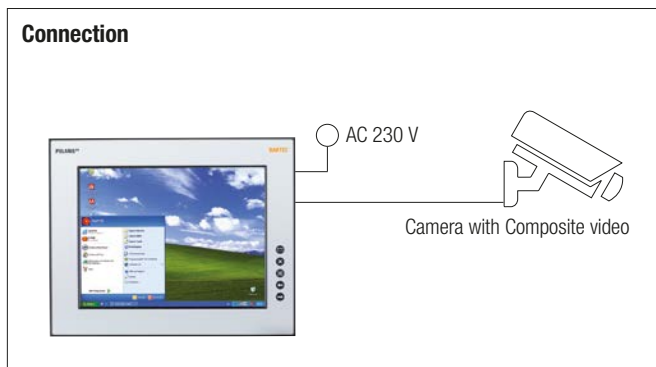
**Technical data**

Construction	Front-panel fitting
Protection class	IP 65 (front) IP 54 (back)
Display	15" graphics-capable TFT colour display 262,144 colours XGA resolution, 1024 x 768 pixels Brightness 1000 cd/m <sup>2</sup> Visible area approx. 304 x 228 mm Contrast 700:1 Antireflection-coated glass pane Optional touchscreen (resistive)
Backlighting	LED technology Service life approx. 50,000 hours (at +25 °C)
KVM connection to the PC	via local unit

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
Composite video	Connection via Ex e terminals
Power supply	AC 90 to 253 V, 50 to 60 Hz or DC 24 V ± 10 % on request or DC 12 V (9 to 18 V) on request
Max. power consumption	P <sub>max.</sub> < 60 W
Optional accessories	Hand-held scanner on request
Dimensions (W x H x D)	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.
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 15" Sunlight without touchscreen	<b>4</b>	up to 300 m via STP/S copper cable VGA/PS2	<b>00</b>	AC 90 to 253 V	<b>0</b>
		up to 100 m via STP copper cable DVI/USB	<b>17</b>		
		up to 500 m via multi-mode optical fibre cable DVI/USB	<b>21</b>	DC 24 V	<b>1</b>
Remote 15" Sunlight with touchscreen	<b>6</b>	up to 20 km via single-mode optical fibre cable	<b>on request</b>	DC 12 V	<b>2</b>
		Composite video Input*	<b>16</b>		

\* 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.