

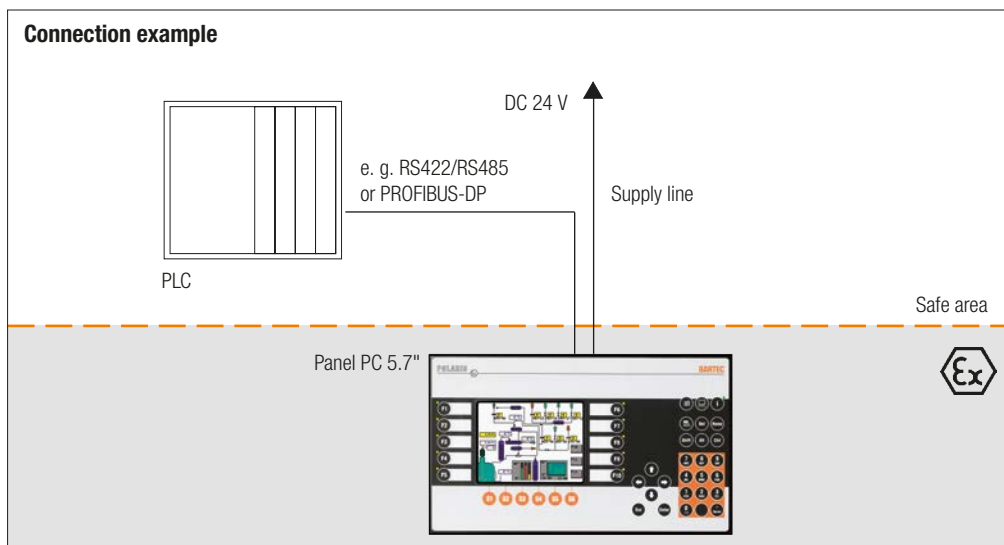
The POLARIS Panel PC 5.7" is the logical further development of the BAT 300 but still retains downward compatibility. State-of-the-art TFT technology is used for the display with a very high viewing angle, which attains a level of brightness of 400 cd/m<sup>2</sup> in the Ex applications. With the Panel PC 5.7", process visualisations can be directly connected in explosive areas without the need for additional intrinsically safe isolation cards. There is no need to lay blues lines for intrinsically safe circuits. A separate wiring of the data line is not necessary. The Panel PC can be directly connected to the PROFIBUS-DP or the communication interface of the control station. Available features include for example RS422/RS485, PROFIBUS-DP, RS232 or TTY. An intrinsically safe USB interface for a USB Ex i memory stick enables the device configuration to be transferred easily. On request, the devices are also available as turn-key system solutions in a Stainless-steel enclosure for wall or floor mounting. The visualisation is created with the "BMS-Graf-pro" programming package (Version 6.xxx), which has been specially developed and optimised for this purpose.

**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	5.7" graphics-capable TFT colour display 262,144 colours QVGA resolution 320 x 240 pixels Brightness 400 cd/m <sup>2</sup> Visible area approx. 116 x 88 mm Contrast 300:1 Antireflection-coated glass pane
Backlighting	CFL technology Service life approx. 25,000 hours (at +25 °C)
Computer capacity	Processor 500 MHz 256 MB RAM Compact Flash CF 512 MB
Keyboard (short-stroke keys)	Alphanumeric key block 4 cursor keys 6 special keys 10 function keys able to be labelled with LEDs
Interfaces (Basic version)	1 x Ex e RS422/RS485 1 x Ex i USB for Ex i memory stick
Dimensions (W x H x D)	335 mm x 199 mm x approx. 130 mm
Wall cut-out	321 mm x 179 mm + 0.5 mm
Weight	approx. 10 kg
Power supply	DC 24 V ± 10 %
Max. power consumption	P <sub>max</sub> < 30 W
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) Rear panel: bichromated sheet steel



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**Ordering information**

Description	Interfaces	Code no.
Panel PC 5.7"	RS422/RS485	<b>00</b>
	PROFIBUS-DP*	<b>02</b>
	RS232	<b>09</b>
	TTY	<b>11</b>

\* Download only via USB Ex i memory stick.

**Complete order no. 17-71V1-10**

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