





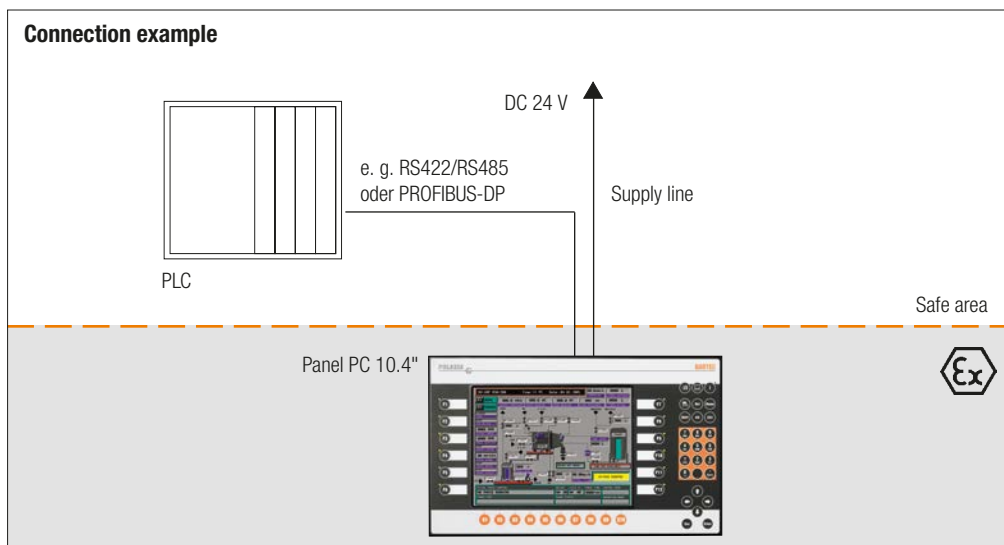
The POLARIS Panel PC 10.4" is the logical further development of the BAT 600 but still retains downward compatibility. State-of-the-art TFT technology is used for the display, which attains a brightness level of 450 cd/m² in Ex applications. As an option, the POLARIS Panel PC 10.4" is also available with a daylight readable display. The Panel PC 10.4" allows process visualisations to be connected directly in explosive areas without the need for any 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 PCs can be connected directly to the PROFIBUS-DP or the control station's communication interface. Available features include for example RS422/485 or PROFIBUS-DP and the option of a supply module for hand-held scanners. An intrinsically safe USB interface for a USB Ex i memory stick makes it easy to transfer the device's configuration. 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.xx), 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 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	10.4" graphics-capable TFT colour display 262,144 colours VGA resolution 640 x 480 pixels Brightness up to 450 cd/m ² Visible area approx. 211 x 158 mm Contrast 600:1 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 10 cursor keys 12 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
Optional accessories	Hand-held scanner on request
Dimensions (W x H x D)	400 mm x 246 mm x approx. 130 mm
Wall cut-out	386 mm x 226 mm + 0.5 mm
Weight	approx. 14 kg
Power supply	DC 24 V ± 10 %
Max. power consumption	P _{max.} < 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 10.4"	RS422/RS485	00
	PROFIBUS-DP*	02
	RS422/RS485, supply module for hand-held scanner	04
	PROFIBUS-DP, supply module for hand-held scanner*	06
	RS232	09
	TTY	11
	RS232, supply module for hand-held scanner	13
	TTY, supply module for hand-held scanner	15

* Download only via USB Ex i memory stick.

Complete order no. 17-71V1-20

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