

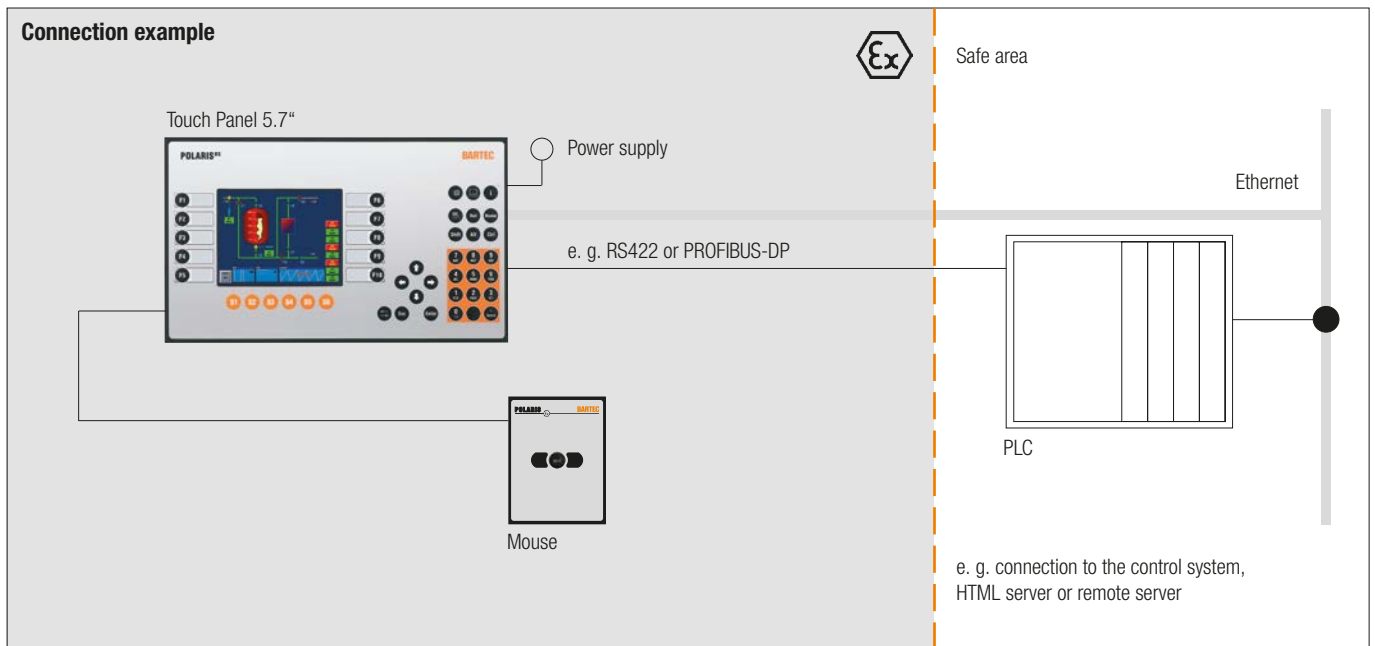
The POLARIS Touch Panel 5.7" is an innovative further development of the POLARIS Panel PCs 5.7". High-resolution displays with LED technology and touchscreen for intuitive as well as comfortable operation are available now in the standard variant. State-of-the-art LED display technology ensures the optimum contrast even with a large viewing angle. The proven LX800 offers sufficient computer capacity for presenting HTML pages or functioning as a remote client. Of course, here too the user can work with the latest "BMS-Graf-pro" Runtime 7 under Windows® XP Embedded, for example for the transmission of projects over the Ethernet, the use of graphics lists or an integrated user administration. Allows a high-performance visual display and operation of the processes directly on site. The front-panel fitting makes mounting easy. On request, the devices are also available as turn-key system solutions in a Stainless-steel enclosure for wall or floor mounting. An intrinsically safe USB interface is available for a USB Ex i memory stick. Intrinsically safe input devices can also be connected.

**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" TFT graphic display 262,144 colours Resolution VGA 640 x 480 pixels Brightness 700 cd/m <sup>2</sup> Visible surface approx. 115 x 86 mm Contrast 800:1 Touchscreen (resistive)
Backlighting	LED technology Service life approx. 50,000 hours (at +25 °C)
Computer capacity	LX800 processor, 500 MHz Compact Flash 4 GB
Operating system	Windows® XP Embedded (pre-installed)
Interfaces (basic version)	1 x Ex e Ethernet 100/10BaseT 1 x Ex e RS422 1 x Ex i USB for Ex i memory stick 1 x Ex i PS/2 for intrinsically safe mouse
Keyboard (short-stroke keys)	alphanumeric key block 4 cursor keys 6 special keys 10 function keys able to be labelled with LEDs
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
Permissible ambient temperatures	Storage -20 °C to +50 °C Operation 0 °C to +50 °C Variant: Operation -20 °C to +50 °C on request (without external heating)
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	Interfaces	Code no.
Touch Panel 5.7"	USB Ex e/RS422 (recommended version)	<b>37</b>
	RS485	<b>38</b>
	BARTEC PROFIBUS-DP	<b>02</b>
	RS232	<b>09</b>
	TTY	<b>11</b>
	BARTEC PROFIBUS-DP, Ex d-USB	<b>33</b>
	Further Interface combinations on request	<b>XX</b>

**Complete order no. 17-71V1-A0**    **/X000**

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