BARTEC

POLARIS Touch Panel 5.7"

Features

- LED technology
- Higher screen resolution
- Touchscreen
- Remote desktop solution
- Presentation of HTML pages
- Direct connection in hazardous areas

Description

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, floor or ceiling mounting.

An intrinsically safe USB interface is available for a USB Ex i memory stick. Intrinsically safe input devices can be connected also.

→ Explosion protection

Ex protection type Zone 1 and 21

ATEX ⟨Ex⟩ II 2G Ex db eb qb [ib op pr] IIC T4
⟨Ex⟩ II 2D Ex tb IIIC T120 °C

Certification
IBExU 05 ATEX 1117 X

IECEx Ex db eb qb [ib op pr] IIC T4
Ex tb IIIC T120 °C

Certification
IECEx IBE 11.0007 X

Further approvals
INMETRO, GOST-R

Protection class
IP 65 (front)
IP 54 (back)

Variant Zone 2
see BARTEC Internet: www.bartec-group.com

→ Technical data

Construction
Front-panel fitting

Display
- 5.7" TFT graphic display
- 262,144 colours
- Resolution VGA 640 x 480 pixels
- Brightness 700 cd/m²
- Visible surface approx. 115 x 86 mm
- Contrast 800:1
- Touchscreen (resistive)

Background lighting
- 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)

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 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
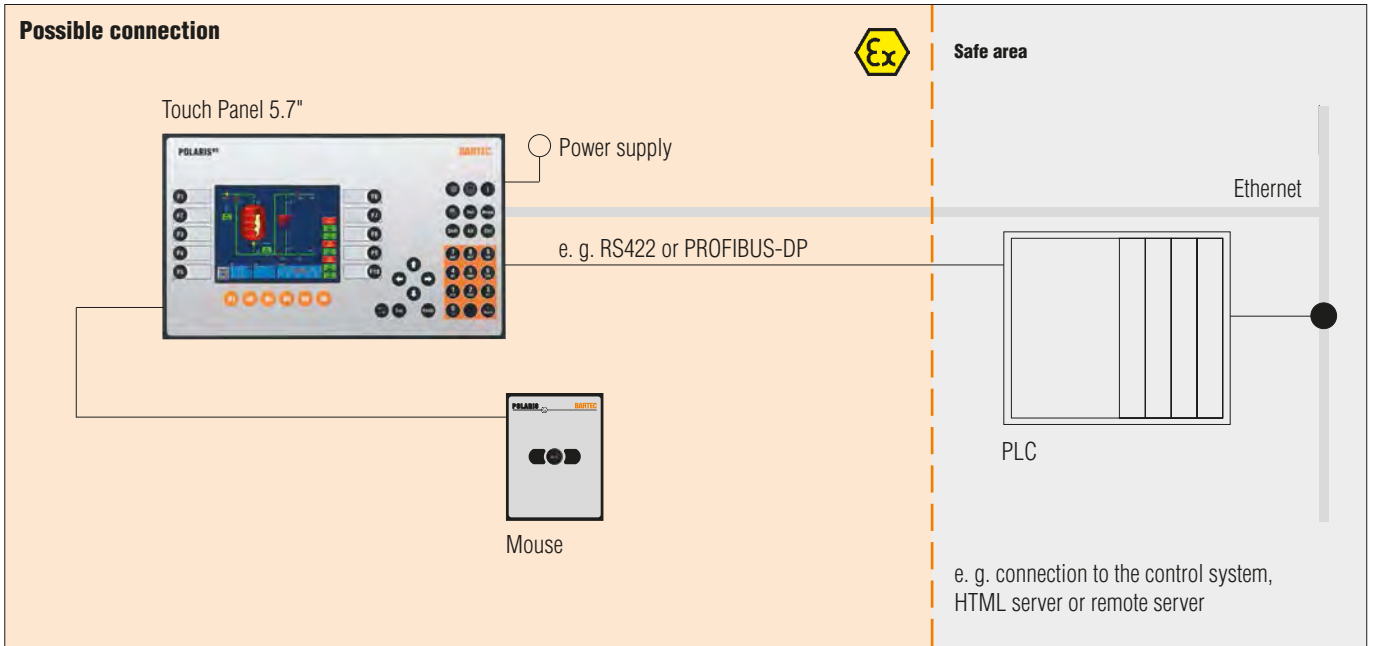
Dimensions (width x height x depth)
335 mm x 199 mm x approx. 130 mm

Wall cut-out
321 mm x 179 mm + 0.5 mm

Weight
approx. 10 kg

Possible connection

Touch Panel 5.7"

○ Power supply

e. g. RS422 or PROFIBUS-DP

Ethernet

PLC

Mouse

Safe area

e. g. connection to the control system, HTML server or remote server

Power supply
DC 24 V ± 10 %

Max. power consumption
$P_{max.} < 30$ 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

Selection chart

Version	Interfaces	Code no.
Touch Panel 5.7"	RS422	00
	BARTEC PROFIBUS-DP	02
	RS232	09
	TTY	11
	BARTEC PROFIBUS-DP, Ex d-USB	33
	RS422/Ex e USB	37
	Further Interface combinations on request	XX

➡ **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.