



## *POLARIS II Remote 19.1"*

for ATEX Zone 2 and ATEX Zone 21/22

### Features

- In the stainless enclosure tiltable
- Graphics-capable TFT colour display
- Simple wiring
- Connection of standard PCs in non-hazardous areas
- Optional touchscreen
- Transmission through fibre optical waveguide or copper
- Cost reduction by cascading several POLARIS II Remote devices to one PC

### Description

The POLARIS II Remote 19.1" is a display which enables a PC to be operated in safe areas of hazardous areas.

Distances of up to 300 m are possible.

POLARIS II Remote 19.1" allows the user the possibility of utilising any currently available PC-based process control systems without restrictions in the Ex areas.

On request the devices are also available as turn-key system solutions in a stainless steel enclosure for wall, floor or table mounting.

The screen on the POLARIS II Remote 19.1" is a TFT display with SXGA resolution and is characterised by its outstanding brilliance and a very large reading angle.

A keyboard with integrated trackball or touchpad is available. An optional touch screen offering the ultimate in operating ease is also obtainable.

Linking in the safe area is established through a local unit (included in the scope of supply).

### Explosion protection

#### Zone 2

##### Ex protection type

Ex II 3G Ex nA IIC T5

##### Certification

IBExU 09 ATEX B009

#### Zone 21/22

##### Ex protection type

Ex II 2D Ex tD A21 IP65 T100 °C  
-25 °C ≤ T<sub>a</sub> ≤ +50 °C

##### Certification

IBExU 09 ATEX 1113 X

##### Further approval

GOST-R

##### Protection class

IP 65

### Technical data

#### Construction

Stainless steel enclosure

#### Display

- 19.1" graphics-capable TFT colour display
- 16.7 million colours
- SXGA resolution, 1280 x of 1024 pixels
- Brightness 300 cd/m<sup>2</sup>
- Visible surface approx. 376 x 301 mm
- Contrast 1300:1
- Option of touchscreen (resistive)

#### Backlighting

- CFL technology
- Service life approx. 40.000 hours (at +25 °C)

#### Connection to the PC

- Direct connection to VGA,
- PS/2 keyboard and PS/2 mouse connection
- via cable STP/S; 4 x 2 x 23 AWG

#### Conductor length

STP/S copper cable  
- up to 300 m

#### Dimensions (width x height x depth)

610 mm x 450 mm x approx. 100 mm

#### Weight

approx. 17 kg

#### Rated voltage

AC 110 to 230 V, 47 to 63 Hz  
DC 24 V

#### Input voltage range

AC 90 to 253 V  
DC 24 V ± 10 %

#### Max. power consumption

P<sub>max.</sub> < 75 W

#### Permissible ambient temperatures

Storage -25 °C to +60 °C  
Operation 0 °C to +50 °C

#### Relative air humidity

5 to 95 % non-condensing

#### Material

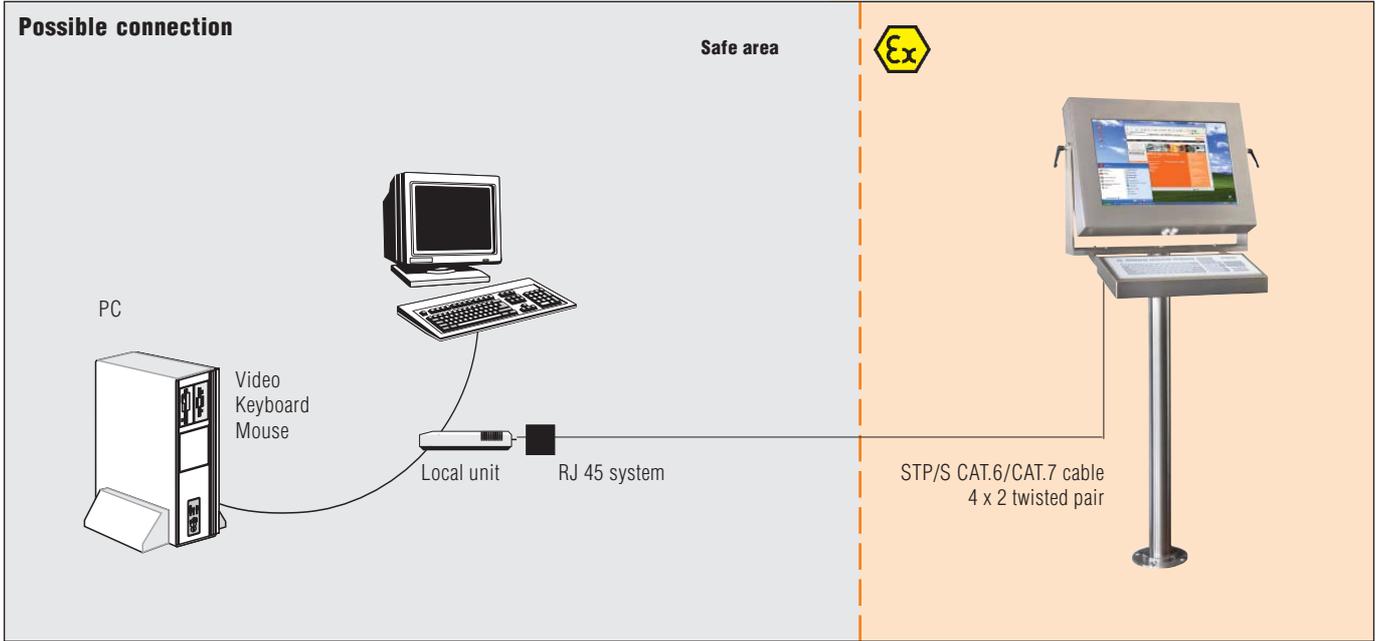
Stainless steel

#### Optional accessories

- Keyboard with integrated trackball 38 mm
- Keyboard with integrated trackball 50 mm
- Keyboard with integrated touchpad



**POLARIS REMOTE POLARIS II Remote 19.1" for ATEX Zone 2 and ATEX Zone 21/22**



**Selection chart**

Version	Code no.	Input voltage	Code no.	Description	Code no.	Keyboard language	Code no.	Insert unit	Code no.
POLARIS II Remote 19.1" without touchscreen	6	AC 90 to 253 V	1	Base unit, tilt	0	German	1	Trackball 50 mm	1
				Table mounting, swivel/tilt	1	English	2	Trackball 38 mm	2
POLARIS II Remote 19.1" with touchscreen	5	DC 24 V	2	Floor mounting, swivel/tilt	2	French	3	Touchpad	4
				Wall mounting, swivel/tilt	3				

➔ **Complete order no.** 17-7  V5-    0/   00

Please insert correct code.  
Technical data subject to change.

Ex area	Code no.
Zone 21/22	1
Zone 2	2