

TPG Touch Panel Guard

Patented and ATEX approved Overpressure PC enclosure
Prepared with touchscreen for build in a Non Ex PC



Overpressure



- No flushing necessary
- Approved Ex e enclosure
- Economic operation
- Customized enclosure variations possible
- Stainless steel keyboard integrated
- Use of standard non Ex PC or TFT

Description

Quintex offers a Ex px PC cabinet in different sizes and designs. All systems are available for hazardous areas (Zones 2/22 or 1/21) in the pressurization protection. Depending on the specific application different performance PC's can be used. Here are options all possible. Mounting configurations are available as a support arm or pedestal. Different keyboards are available with mouse pad or trackball. To perform data connections from the outside into the cabinet, up to three interface modules with different interfaces are usable. To minimize the air consumption a valve module with pressure-controlled leakage compensation is used.

The Ex Quintex PC system works without purging, and is thus ready for use immediately after release by gas detection. The elimination of flushing time and pressurized air makes the operation very economical. The clearance measurements made with commercial gas detectors are available as portable or stationary versions.



Possible Application

- Use with Standard PC or TFT
- Use as remote HMI

Technical data:

Dimension (mm): 540*650*440 (20")

Ambient temperature: -20°C up to +70°C

Switching capacity: max. 5 A (without Contactor SC)

Certificates

ATEX, GOST TC-RU

Marking

Pressure controller system:

Ex II 2G / II D

Power supply:

DC 24 Volts

AC 115 Volts 50/60 Hz

AC 230 Volts 50/60 Hz

Order data:

Mild steel painted: TPG-S01

Stainless steel 1.4301, 304L TPG-V01

Stainless Steel 1.4401, 316L

TPG-W01

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TPG V01 set up with:

- Enclosure with window 20" from LSG
- Stepped keyboard with Mousepad

Ex system made of:

- QUINGUARD® controller
- Valvemodule with digital valve
- **1x Interfacemodule** for data separation
- Ex e push button to switch on manually

TPG V02 set up with:

- Enclosure with window 20" from LSG
- Stepped keyboard with Mousepad

Ex system made of:

- QUINGUARD® controller
- Valvemodule with digital valve
- **1x Interfacemodule** for data separation
- Ex e push button to switch on manually
- **Portable gas detector** with charging station within the cabinet

TPG V03 set up with:

- Enclosure with window 20" from LSG
- Stepped keyboard with Mousepad

Ex system made of:

- QUINGUARD® controller
- Valvemodule with digital valve
- **3x Interfacemodule** for data separation
- Ex e push button to switch on manually

TPG V04 set up with:

- Enclosure with window 20" from LSG
- Stepped keyboard with Mousepad

Ex system made of:

- QUINGUARD® controller
- Valvemodule with digital valve
- **3x Interfacemodule** for data separation
- Ex e push button to switch on manually
- **Portable gas detector** with charging station within the cabinet

TPG V05 set up with:

- Enclosure with window 20" from LSG
- Stepped keyboard with Mousepad
- Automatically switched on

Ex system made of:

- QUINGUARD® controller
- Valvemodule with digital valve
- **1x Interfacemodule** for data separation
- **Stationary gas detector** within the cabinet

TPG V06 set up with:

- Enclosure with window 20" from LSG
- Stepped keyboard with Mousepad
- Automatically switched on

Ex system made of:

- QUINGUARD® controller
- Valvemodule with digital valve
- **3x Interfacemodule** for data separation
- **Stationary gas detector** within the cabinet