3 Modular Ex-PC

1 PC100 series

The PC100 is the user interface of an industrial PC designed for use in zone 1. The PC is located in the safe area. There are no more intrinsically safe barriers necessary - the PC is unlimited network capable. A later update to a more powerful PC is possible at any time. The PC is connected with a video-remote control to the PC100.
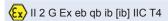
For the remote control usually a 4 x 2 AWG24 (CAT 5/6) cable is recommended, but alternatively a glass fibre can be used. The customer don't have to follow the rules for intrinsically safe wiring, because the connection is not intrinsically safe: the power supply (e.g. 230VAC) of the display is connected to the integrated Ex e-terminal box. Therefore no Exi-multi power supplies are necessary.

The intrinsically safe keyboard and stainless steel trackball (both IP65) are connected to the PC100 with a plug. The modules above are integrated in a graceful designed commander housing. The housing is manufactured of stainless steel with a protection class of IP65. Therefore it can be used in pharmaceutical or food production. It is also possible to integrate the PC100 modules in an existing control panel.

The PC100 gives his user the degree of freedom and flexibility, he needs now and in the future.

Specifications

Protection	IP65
Material	stainless steel
Voltage	230VAC
Mounting	zone 1

⟨Ex⟩ II 2 G Ex eb qb ib [ib] IIC T4

Zone 0	✗	Zone 20	✗
Zone 1	✓	Zone 21	✗
Zone 2	✓	Zone 22	✗

On request

- display 8,4» or 10,4»
- housing material: steel lacked or aluminium
- several mounting possibilities of commander housing
- optical waveguide to PC
- voltage 110VAC or 24VDC
- housing without writing desk

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Ordering data

Code	Display	Touch screen	Front window	Housing
PC100.0.0.0.1.1.0	15" TFT (XGA)	without	anti reflection coating	design housing with writing desk
PC100.0.0.0.1.1.1	15" TFT (XGA)	integrated touch screen	anti reflection coating	design housing with writing desk
PC100.0.3.0.1.1.0	19" TFT (SXGA)	without	anti reflection coating	design housing with writing desk
PC100.0.3.0.1.1.1	19" TFT (SXGA)	integrated touch screen	anti reflection coating	design housing with writing desk
PC100.0.4.0.1.1.0	21" TFT (SXGA)	without	anti reflection coating	design housing with writing desk
PC100.0.4.0.1.1.1	21" TFT (SXGA)	integrated touch screen	anti reflection coating	design housing with writing desk
PC100.0.5.0.1.1.0	22" TFT (SXGA)	without	anti reflection coating	design housing with writing desk
PC100.0.5.0.1.1.1	22" TFT (SXGA)	integrated touch screen	anti reflection coating	design housing with writing desk
PC100.0.6.0.1.1.0	24" TFT (SXGA)	without	anti reflection coating	design housing with writing desk
PC100.0.6.0.1.1.1	24" TFT (SXGA)	integrated touch screen	anti reflection coating	design housing with writing desk

Dimensional sketches