

Manual

PC Parallel Signal Conditioner



Type
Release

10501
1.0

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PC Parallel Signal Conditioner

A PC's printer interface is often capable of transferring more than 100,000 characters per second. It is therefore considerably faster than the computer software and even the fastest printer seldom accepts more than 5,000 characters per second.

The unnecessarily high speed does not cause any problems, as long as the printer is set up right next to the computer. This avoids the need, for example, of banishing a noisy printer to a neighbouring room.

Function

The "PC Parallel Signal Conditioner" takes remedial action here. It is simply plugged into the printer port on the back of the computer, and the normal (shielded) printer cable is plugged, piggy-back fashion, into the adapter. You do not need a power pack.

It amplifies the signals and reduces the transmission speed by a good 20,000 characters per second. This does not interfere with the printing speed at all, it simply means that, depending on the environment, it is often possible to cover distances of more than 100 m.

The Signal Conditioner handles only unidirectional data traffic and does not have galvanic isolation. When running cables over great distances, you must therefore be sure that the computer and printer share the same PE (protection earth) potential. If this cannot be ensured, you must implement equipotential bonding or use the W&T Centronics Line Driver #20001 with galvanic isolation.

Technical Data

Isolation:	non-isolated
Transfer rate:	25 kcps
max. distance:	100 m
Supported signals:	all Centronics signals
Power supply:	through Centronics signals, no power adapter required
Current consumption:	approx. 500 uA
Input:	25-pin SUB-D adapter
Output:	25-pin SUB-D socket
Housing:	Plastic housing, 63x54x16 mm
Weight:	approx. 220 g
Delivery:	1 x parallel signal conditioner