

Data transfer via the parallel printer port (LPT port)

The software accesses the LPT port directly

All the data controlling the operation of the PC oscilloscope or the PC function generator is fed via the **data output port**, pins 2...9 of the LPT connector. The optocoupler section is powered also via this pins. To "address" the unit the following **control port** pins are used:

PC scopes: pin 14

PC generators: pin 17

By pulling this pin down the input section of the optocoupler is powered and enabled and the communication to the scope or to the generator is possible. To avoid unintentional data transfer to the unit this pin should be kept high all the time except when the data is transferred to the selected unit.

From the PC scope the data is read via the **status port**.

PCS500: pins 10, 12, 13 and 15

PCS100/8031: pins 10 and 12

The data is read either in the nibbles of 4 bits (PCS500) or 2 bits (PCS100/8031).

Pin 13 of the PCS500 and pin 12 of the PCS100/8031 LPT connector is used to indicate that the data acquisition is done and fresh data is ready to read from the oscilloscope buffer memory.