

ETIPESE®

MC3000

USB-Communication for *TIPES*



Input
- TIPES MC2100
- UNIVES

Printer
- parallel
- USB
(PCL)



PC
- USB
(virtuell Com)
- seriell RS232

ESA400 / 4000
with DCF 77 Clock

Motz-Computer
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Germany

Congratulations! You now own one of the most sophisticated and experienced pigeon identification and racing real time systems on the market. TIPES® is a simple-to-use system that allows precise and automatic measurement of pigeon racing performance. Naturally, you can't wait to get this state of the art equipment running, but before you start, it's worthwhile taking the time to read through this manual. Once you know about the features of TIPES® MC3000, trouble-free operation is guaranteed. Please check if your TIPES® is complete while you are unpacking the cardboard box. Make sure that no items are left inside the box. You should keep the TIPES® cardboard box for future transportation or storage purposes.

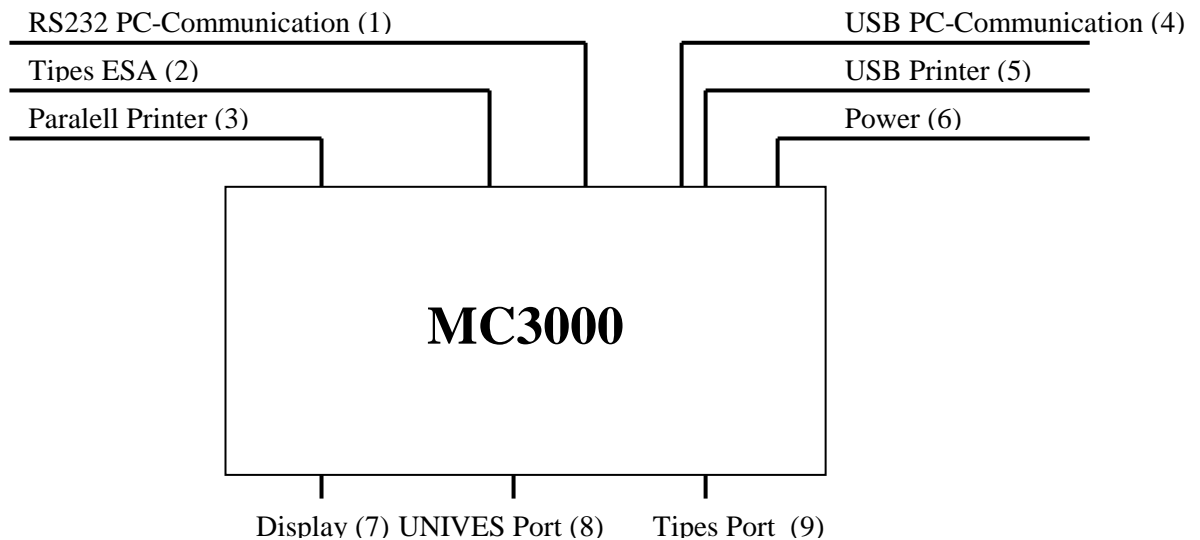
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1. Preview

The TIPES® MC3000 system is a communication node that supports the Tipes and UNIVES protocol. The node is designed to work as a protocol converter. Through the standard UNIVES interface external systems can be connected to this node.

2. How it work



RS232 PC-Communication (1)

Through this Port the MC3000 is connected via serial interface with your computer. This port is required for data communication between your PC and TIPES.

Tipes ESA (2)

At this port the ESA is connected to the MC3000.

Parallel Printer (3)

At this port you can connect a parallel printer.
Please note that only printers are supported with an internal character set.

USB PC-Communication (4)

This port has the same functionality as the serial port; however the communication is done via USB.

USB Printer (5)

At this port you can connect a printer.
Please note that the printer supports PCL5.

Power (6)

Power connector
Please note that only original TIPES® power supplies are used.

Display (7)

Status information will be shown here.

UNIVES Port (8)

At this Port devices from other manufacturers can be connected.
Please note that the attached device supports UNIVES and is been connected with the right cable.

Tipes Port (9)

At this port TIPES® control units like MC1100, MC2100 or TBB100 are connected.

12. TIPES MC 3000 hardware interfaces:

- RS 422 Tipes ESA 400 / ESA 400-24 / ESA 4000
- RS 422 Tipes Control Unit MC2100 / TBB100 / MC1100
- RS 485 UNIVES
- RS 232 PC Communication
- USB Slave PC Communication
- Parallel Printer
- USB Master Printer
- Display for System Information

13. Guarantee-conditions:

The manufacturer, Motz Computer GmbH, offers the following guarantee to the first purchaser of TIPES® components:

1. The guarantee is valid for **12 month** commencing when the unit is handed over to the purchaser which must be verified by purchaser invoice or similar documentation.
2. The guarantee covers all parts or components which fail due to faulty workmanship or faulty material. The guarantee does not cover TIPES® components where defects or poor performance are due to misuse, faults in the building wire, accidental damage, neglect, faulty installation, unauthorized modification or attempted repair or failure to use the unit in accordance with the operating instructions.
3. Should guarantee repairs be necessary the purchaser must inform the nearest customer service (distributor or authorized service partner).
4. The guarantee or free replacement includes both labor and materials.
5. Repairs carried out under guarantee do not extend the guarantee period. Parts removed during guarantee repairs become the property of Motz Computer GmbH.

14. Imprint

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