

ALGE Timy

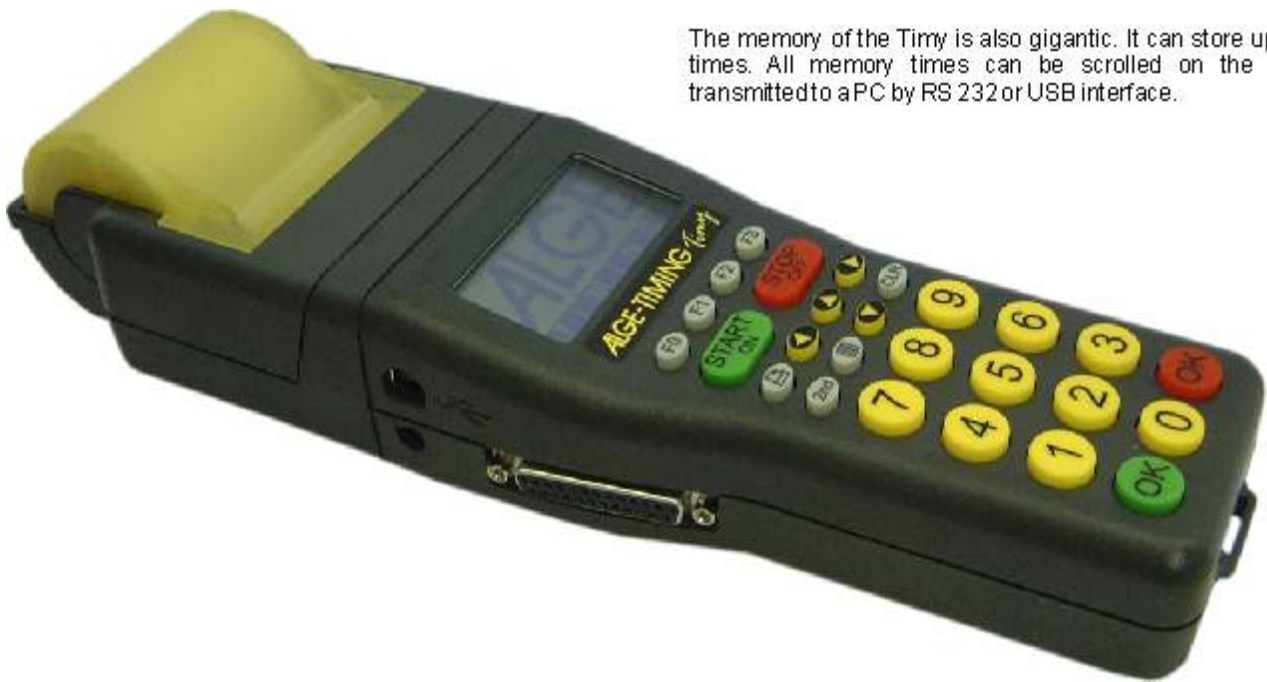
The ALGE Timy is a handy device, fully loaded with high-quality technology. This makes it unique in its class.

During the evolution, highest attention to the operating convenience and the ergonomic was placed. The old ALGE values, as highest reliability and robust design, also entered besides in the Timy. Newest technology was packed in a special designed case made for timing only, which makes the Timy unique.

In spite of the bulk measurement, the Timy owns a big and well operable silicone keyboard. In any weather condition, even with gloves, one can operate the keyboard easily. In the case of the types Timy P and Timy PXE a printer is integrated in the Timy and records the entire race.

Of course the Timy is also equipped with the necessary interfaces for communication with external devices. It has a interface for display boards, a RS 232 interface for communication with a PC, a RS 485 interface to make a network of timing devices, and finally as world novelty a future proof USB interface.

The memory of the Timy is also gigantic. It can store up to 15,000 times. All memory times can be scrolled on the display, or transmitted to a PC by RS 232 or USB interface.



Display:

The Timy has a monochrome LCD graphic display with 128 x 64 pixel. This allows us to write up to 8 lines of text or to use different character sizes in the display. Also graphical symbols to help the operator are possible. The display has an extended temperature range for use in cold weather conditions (e.g. winter sport).

Keyboard:

In spite of the bulk measurement, the Timy owns a big and well operable silicon keyboard with 26 buttons. One can serve the Timy in the best possible way even with gloves.

Accuracy:

Every time of day is registered up to 1/10,000th second. That means, that net times calculated to 1/1000th are exact calculated. Highest accuracy at any temperature is guaranteed by use of a temperature compensated quartz.

Printer:

The Timy PXE has a built-in terminal printer. This silent and extremely fast printer allows to change the paper in a very simple way. The feed roller is combined with the printer cover and therefore it is not necessary to thread the paper.

Memory:

Memory up to 15,000 times including ID-number and channel information. The software is on a FLASH-Memory which allows a upgrade of the software via internet from the PC.

Case:

Great attention was placed to ergonomics and stability. The aim of the developers was a timer that has all advantages of modern technology in a compact, handy, but rugged case. The design was chosen so that it is usable as a handheld and desktop device.

Connections:

The big difference of the Timy compared to other timing devices of its class and size is the wide range of connections for other devices. E.g. it is possible to make a network of Timy connected by the RS 485 interface (one for start, one for intermediate time, one for finish). Further it has up to 9 input channels, which means that you can make e.g. tests with a start-, up to 7 intermediate-, and one finish channel.

Software:

There is a great number of programs for the Timy. The Timy must cover the entire spectrum for time measurement starting from a hand timer up to the main timer at a big competition.

Timy Software

- Backup:** timer to measure time of day (e.g. backup or reference timer for PC)
- Stopwatch:** universal timing program that is able to time more than one run (net time/total time)
- TrackTimer:** timing for events which has lanes (e.g. athletic, swimming)
- LapTimer:** timing program with split and sequential time
- PC-Timer:** professional timer (time of day) to work with a PC
- Training Light:** universal trainings software with intermediate times and one racer on course
- Training REF:** trainings software with intermediate times and more than one racer can be on course
- Speed:** speed measurement in km/h, m/s, or mph
- Commander:** terminal to control ALGE-display boards
- Terminal:** terminal for judges, e.g. ski jumping, figure skating, diving, synchronized swimming
- CycleStart:** start control, lap counting, and backup timing for pursuit cycling.
- Windspeed:** to measure the windspeed for athletic with a connected anemometer WS2



Timy XE

The Timy XE is a timer without printer. It has a temperature compensated quartz oscillator for time measurement with the highest precision and an extended temperature range for operational use down to -20°C (-4°F).



Timy PXE

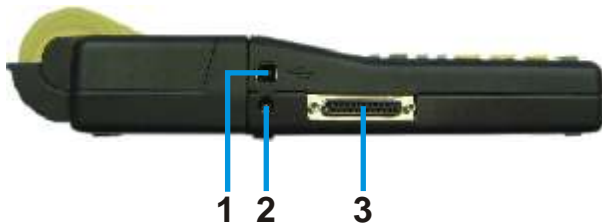
The Timy PXE is a timer with integrated printer. It has a temperature compensated quartz oscillator for time measurement with the highest precision and an extended temperature range for operational use down to -20°C (-4°F).



Technical Data

- Processor:** Siemens C161 with 3,3 V technology
- Crystal Frequency:** 12.8 MHz with TCXO or standard quartz
- Time Resolution:** 1/10,000 s
- Program Memory:** FLASH Memory with 8 MBit
- Data Memory:** RAM with 2 MBit (about 14,000 times)
- Display:** monochrome LCD graphic display 128 x 64 pixel, available with standard- or with extended temperature range
- Keyboard:** silicon keyboard, 26 keys
- Connections:**
- 1 x DIN-socket for photocell (7)
 - 1 x banana socket pair – start input (5)
 - 1 x banana socket pair - finish input (6)
 - 1 x banana socket pair – display board (4)
 - 1 x D-Sub 25-pin (3)
 - 9 timing channels
 - RS 232 (PC-connection)
 - display board
 - RS 485 (network)
 - power supply (7–15 VDC in/out)
 - 1 x USB (1)
 - 1 x power supply (7 - 15 VDC in) (2)
- Channel Extension:** per extension 8 channels, max. 99 channels

- Power Supply:**
- Internal:**
- NC-Timy rechargeable NiCd-battery pack for Timy with printer, 1 Ah
- 6 x AA-Alkaline 6 x 2 Ah or
- 6 x AA-NiMH 6 x 1,5 Ah
- External:**
- Power Supply PS12A: 12 V battery, or 7-15 VDC data given at 20°C (68 F)
- Power Consumption:**
- Alkali: without printer about 50 hours
- NiMH: without printer about 38 hours
- NC-Timy: without printer about 25 hours
- Alkali and NiMH: not possible with printer
- NC-Timy: with printer about 3000 lines about 14 hours
- Charging Duration:** about 14 hours
- Printer:** graphic thermo printer, max. 5 lines per sec.
- Temperature Range:**
- Timy S and P: -5 to 60°C (23 to 140 F)
- Timy XE and PXE: -20 to 60°C (-4 to 140 F)
- Measurements:**
- Timy S and XE: 204 x 91 x 50 mm
- Timy P and PXE: 307 x 91 x 65 mm
- Weight:**
- Timy S and XE: 450 g (no battery)
- Timy P and PXE: 650 g (no battery and paper)



ALGE

TIMING

ALGE-TIMING GmbH & Co
 Rotkreuzstrasse 39
 A-6890 Lustenau
 Tel: +43-5577-85966
 Fax: +43-5577-85966-4
 office@alge-timing.com
 www.alge-timing.com