

# TIMING DEVICES

## Timy3

The Timy3 is of a compact design, equipped with high-quality technology and unique for timing. It has an ergonomic and most reliable design.

Despite the handy dimensions the Timy3 has a large and easy to operate silicone keypad. In all weather conditions, even wearing gloves, using the keypad does not cause any problems whatsoever. The Timy3 WP has an integrated printer that records the complete competition.

The exterior of the Timy3 can hardly be distinguished from that of the previous models. An integrated radio module from the successful ALGE-TIMING Wireless Timing Network series WTN was added.

The built in radio module allows wireless communication in a network with other devices of the WTN serie. It can receive start, intermediate or finish impulses, control a display board and send data to the result PC.

For certain a major advantage of the Timy3 is the low power consumption that allows you to work independent from mains.

The Timy3 features all necessary interfaces for communicating with external devices. A future proof USB interface, an interface for scoreboards, an RS232 interface for data exchange with a PC, and a RS485 interface for a network of timing devices.



### Display:

The Timy3 has a monochrome LCD graphic display with 128 x 64 pixel and backlight. With this, displaying up to 8 lines of text is possible. Different character sizes and also graphic symbols for easier operation can be displayed. The display has an extended temperature range for use in extreme weather conditions (e. g. winter sports).

### Keypad:

In spite of the handy measurements, the Timy3 has a large and well operable silicon keypad with 26 buttons. Even with gloves the Timy3 can easily be operated.

### Accuracy:

The Timy3 works on a time of day basis and records it with an accuracy of 1/10,000 second. That means that calculated net times of a precision of 1/1000 are exactly calculated. Highest accuracy at any temperature is guaranteed by a temperature compensated quartz.

### Printer:

The Timy3 WP has an integrated thermal printer. This silent and extremely fast printer allows an easy and straightforward paper exchange. The feed roller is fixed to the printer cover and therefore saves oneself the tedious threading of the paper.

### Memory:

Memory of up to 30,000 times including ID number and channel information. The software is on a FLASH memory which allows an upgrade of the software by internet from the PC.

### Case:

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

### Connections:

Regarding the wide range of possible connections with external devices, the Timy3 offers unequalled opportunities in its class and size. For example it is possible to connect several devices by the RS485 interface to work as a network.

### Software:

There is a great number of programs for the Timy3. The device is able to cover the entire spectrum for time measurement starting from a hand timer up to the main timer at major events.

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### Timy3 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 have lanes (e.g. athletics, swimming)
- LapTimer:** timing program with split and sequential time
- PC-Timer:** professional timer (time of day) to work with a PC
- Timeout:** timing program with timeout function (e.g. show jumping)
- Dual Timer:** timing program with two courses, either with simultaneous or separate start
- Parallel-Diff:** timing program for parallel slalom
- TV Timer:** simple timing program to control a display board or TV time insert
- Speed-Climbing:** timing program for speed climbing
- Training Light:** universal training software with intermediate times and one racer on course
- Training REF:** training software with intermediate times and more than one racer on course
- Swim Trainer:** training program for swimming
- 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 athletics with a connected anemometer WS2
- Jumping:** training program for jumping exercises



**Timy3 W**  
Timer without printer



**Timy3 WP**  
Timer with integrated printer



- Paper Roll
- Thermal Printer
- Printer Hood
- LCD Graphic Display
- Silicone Keypad

### Technical Data

- Crystal Frequency:** 12.8 MHz with TCXO, +/- 3 ppm
- Time Resolution:** 1/10,000 s
- Timing:** 9 timing channels, external extension possible
- Program Memory:** FLASH memory with 16 MBit
- Data Memory:** RAM with 4 MBit (about 30,000 times)
- Display:** monochrome LCD graphic display with backlight, 128 x 64 pixel, extended temperature range
- Keypad:** silicone keypad, 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
    - RS232 (PC connection)
    - display board
    - RS485 (network)
    - power supply (8 – 22 VDC in/out)
  - 1 x USB (1)
  - 1 x power supply (8 - 22 VDC in) (2)

- Radio Module:** build-in 2.4 GHz radio, 16 adjustable frequencies, adjustable power output from 10 to 100 mW, 5 timing channels, for distances up to 350 m
- Power Supply:**
- Internal:**
- NM-Timy2 rechargeable NiMH battery pack for Timy3 with printer, 2 Ah
  - 6 x AA-Alkaline 6 x 2 Ah (only for Timy3 W)
- External:**
- Power Supply PS12A: 12 V battery or 8 - 22 VDC data given at 20°C (68 F)
- Power Consumption:**
- Alkaline: without printer about 100 hours
  - NM-Timy2: without printer about 60 hours
  - NC-Timy2: with printer about 47 hours
- Charging Duration:** about 14 hours
- Printer:** graphic thermal printer, max. 5 lines per sec.
- Temperature Range:** -20 to 60°C (-4 to 140 F)
- Measurements:**
- Timy3 W: 204 x 91 x 50 mm
  - Timy3 WP: 307 x 91 x 65 mm
- Weight:**
- Timy3 W: 450 g (no battery)
  - Timy3 WP: 650 g (no battery and paper)

