



TIMING DEVICES

Timy3

The ALGE-TIMING Timy3 is a compact timing device with unique, high-quality technology. The Timy3 impresses with an ergonomic design and absolute reliability, thanks to its robust design.

Despite its handy dimensions, the Timy3 has a large and easy-to-use silicone keypad, which can be used in any weather conditions, even with gloves on. The printer is integrated into the Timy3 WP and logs times of the entire competition.

The Timy3 has an internal wireless modem of the Wireless Timing Network WTN series. The Timy3 can be connected via radio to all devices of the WTN series, and, for example, can receive start impulses, intermediate times and finish impulses, control a display board and send data to a PC with result software.

The low power consumption allows it to be used even in cold weather with internal batteries independent from mains.

The Timy3 is equipped with all necessary interfaces for communication with external devices, a USB interface, an interface for a display board, an RS232 and an RS485 interface.



Display

The Timy3 has a monochrome LCD graphic display with 128 x 64 pixels 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 (up to -20 °C).

Keypad

Despite its compact dimensions, the Timy3 has a large and easy-to-use silicone keypad, with 26 keys. Even with gloves on, an easy use is ensured.

Accuracy

The Timy3 works on a time of day basis and records it with an accuracy of 1/10,000 seconds. That means that calculated net times of a precision of 1/1,000 seconds 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 quiet and extremely

fast printer allows easy and simple paper change. The transport roller is connected to the paper cover and saves the tedious threading of the paper.

Memory

Approximately 30,000 times can be stored with the corresponding bib and timing channels. The software is stored in a flash memory. Updates of the software are available free of charge, via the Internet.

Casing

Particular emphasis was placed on ergonomics and stability. The aim of the development was to bring a timer with all the advantages of modern technology into a handy and shock-proof casing. The Timy3 is suitable both as a hand-held timing device and as a table 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.

Radio Network - Wireless Timing Network WTN

An integrated WTN module allows to communicate with all devices in the WTN series (WTN wireless radio, WTN-PB wireless push button, PR1aW photocell, WTN-DB and Windspeed WTN-WS scoreboard).

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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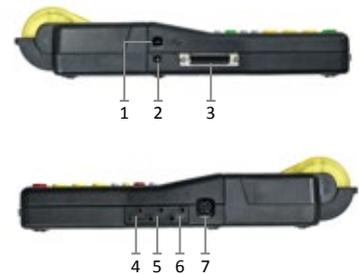


Timy3 Software

Backup:	timing device to measure time of day (e.g. backup or reference timer for PC)
Stopwatch:	universal timing program which is able to time more than one run (net time/total time)
TrackTimer:	timing for events which have lanes (e.g. athletics and 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-TIMING display boards
Terminal:	terminals for judges (e.g. ski jumping, figure skating, diving, artistic 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 timing device without printer



Connections:

- 1 - 1 x USB
- 2 - 1 x power supply 8 - 22 VDC
- 3 - 1 x D-Sub 25-pin
- 4 - 1 x pair of banana sockets - scoreboard
 - 9 time measuring channels
 - RS232 (PC connection)
 - display board
 - RS485 (network)
 - power supply (8 - 24 VDC in/out)
- 5 - 1 x pair of banana sockets - start input
- 6 - 1 x pair of banana bushes - finish entrance
- 7 - 1 x DIN socket for photocell



Technical Data

Crystal frequency:	TCXO, +/-1 ppm (+/-0.00036 s/h)	Power supply:	internal: NiMH power pack 7.2 V/2 Ah or 6 x AA alkaline (only for Timy3 W) external: power supply PS12A, 12 V battery or 8 - 22 VDC
Time resolution:	1/10,000 s	Power consumption:	without printer about 100 hours with printer about 47 hours
Timing:	9 timing channels, external extension possible	Charging time:	approx. 14 hours
Program memory:	flash memory with 16 Mbit	Printer:	graphic thermal printer, max. 5 lines per second
Data memory:	RAM with 4 MBit (about 30,000 times)	Temperature range:	-20 °C to +60 °C
Display:	monochrome LCD graphic display with backlight, 128 x 64 pixels, extended temperature range	Measurements:	Timy3 W: 204 x 91 x 50 mm Timy3 WP: 307 x 91 x 65 mm
Keypad:	silicone keypad, 26 keys	Weight (no battery):	Timy3 W: 450 g Timy3 WP: 650 g (without battery and paper)
Radio module WTN:	built-in 2.4 GHz radio, 15 adjustable frequencies and power output from 10 to 100 mW, 5 timing channels, for distances up to 350 m		



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WTN-Training Set

The WTN-Training set combines the highest precision with reliability and ease of use. The system for timing in training includes a timer, two photocells with reflectors including four tripods. In the robust plastic case, the WTN-Training set can be safely and comfortably transported to the next workout.

The wireless WTN-Training set communicates via the Wireless Timing Network (the time-measuring radio network developed by ALGE-TIMING), which ensures reliable radio transmission of impulses and data. It guarantees the highest possible timing accuracy. In case of a radio interference it can transmit the data delayed by using a special technology and can transmit the data later in the event of radio interference. The timing device then corrects the time to that of the original impulse.



Timy3 W

Timy3 WP



Photocell PR1aW

Advantages of the WTN-Training Set

- new, intuitive system that works with radio
- simple, easy and fast setup of the complete system
- compact measurements proven ALGE-TIMING robustness
- simple systems operation
- timing device Timy3 has a lot of software applications
- highest timing precision by temperature compensated quartz (measuring of 1/10,000 seconds)
- fully featured timing device that can be used for the timing of races as well
- measuring of speed in km/h, m/s or mph possible
- timing device has an USB-interface for easy transfer of training data to a PC
- photocell with integrated radio
- up to 5 different timing channels are adjustable at photocell
- possibility to add additional photocells or other impulse devices
- complete system is battery powered and works about 35 hours
- 15 different radio channels are adjustable
- system is made to be used outdoor
- stable case with foam insert for easy and safe transport

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WTN-Training Set



Two different sets are available

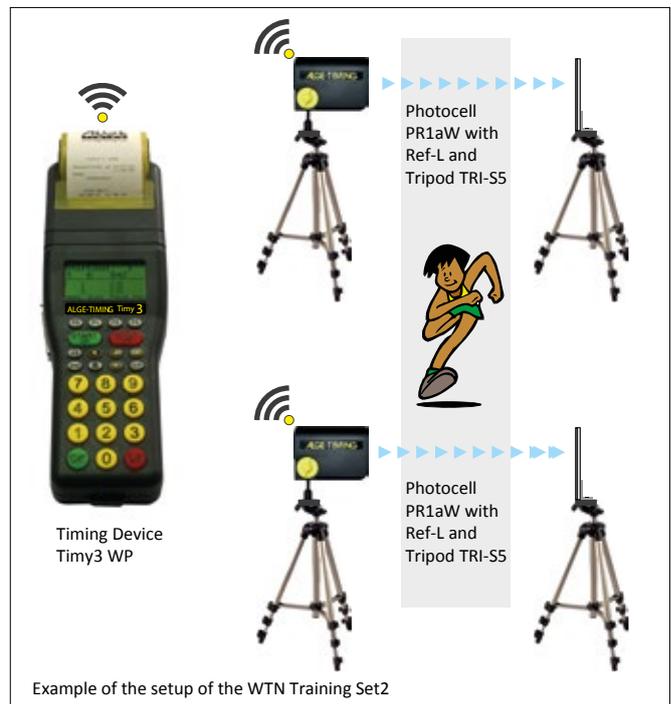
The main difference between the two sets is that the WTN-Set 1 has no printer integrated in the timing device. The WTN-Set 2 has a timing device with integrated printer.

WTN-Set 1 includes

- 1 x timing device Timy3 W including alkaline battery
- 2 x photocell PR1aW
- 2 x reflector Ref-L
- 4 x tripod TRI-S5
- 1 x case for complete set

WTN-Set 2 includes

- 1 x timing device Timy3 WP including rechargeable battery set and charger
- 2 x photocell PR1aW
- 2 x reflector Ref-L
- 4 x tripod TRI-S5
- 1 x case for complete set



case KL-WTN-SET to transport and store the entire system, including tripods

