

# ALGE-Timing Devices and Accessory

## Timedata Computer TdC 8001

It is based on three decades of experience in timing international competitions. Designed for year around use, this user-friendly device incorporates all features that professional time keepers expect.

- intuitive design with clearly displayed menus increase the ease of operation and speed of learning curve.
- clean and purposeful keyboard and screen layout allow timing functions to be split into start and finish tasks
- large, easy readable seven-segment display (LCD) for ID-numbers and time
- alphanumeric LCD display for operator guidance and supplementary information
- certified extremely high accuracy with a temperature compensated quartz crystal that measures 10,000<sup>th</sup> of a second.
- 10 independent timing channels (e.g. start, 8 intermediate times, finish)
- four independent races can be held each with the same number range
- bibs of up to 9999 and large memory for up to 9999 times per race
- buffer for up to 9999 times for competitors that arrive in groups at the finish
- each timing impulse is stored, no time can be lost
- universal software for most time related sports is included
- high temperature range – TdC8000 works also at very low temperatures (down to  $-25^{\circ}\text{C}/ - 13\text{F}$ )
- built-in NiCd-rechargeable battery for independent use in all situations
- printing of a ranking in almost any form is possible
- automatic mode with automatic advance of the ID number for start and finish
- built-in speech-amplifier to connect a headset for interference-free speech connection between start and finish
- interface for display board, PC (race evaluation) and data communication by radio



## Timy

A handheld timing device and terminal that meets all expectations. Available in different models, e.g. Timy S (without printer), Timy PXE (with printer and extended temperature range):

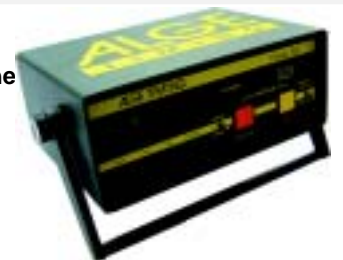
- certified extremely high accuracy with a temperature compensated quartz crystal
- graphic display with 128 x 64 pixel
- silicon keyboard that is easy to operate
- universal software
- RS 232-, RS 485, and USB interface
- interface for display board
- 9 timing channels (extension is possible up to 99 channels)
- large memory (up to 18,000 times)
- FLASH Memory, software update per internet possible
- integrated thermo printer (model P and PXE)
- usable from  $-20$  to  $55^{\circ}\text{C}$  ( $-4$  to  $122\text{ F}$ ) for model XE and PXE



## Timer S4

The universal 18-channel timing device for all kind of time and speed measurement Through the easy operation and flexible interfaces it is a perfect device as a reference timer for a PC.

- certified extremely high accuracy with a temperature compensated quartz crystal
- 18 independent timing channels and a memory capacity of up to 8000 times
- ideal timer with a selectable baud rate for use with a PC-timer-software
- RS232 interface for display board, printer and PC
- built-in speech amplifier for headset



## Comet

A powerful, full featured device for timing, scoring and terminal applications.

- Four-channel-timer for all types of timing and speed measurement
- Automatic memory (4000 times) to prevent accidental loss, even if battery fails
- Rugged design takes the abuse of outdoor operations
- A large library of programs for all applications are available
- RS232 interface for display board, printer or PC



## Printer P5

Fast, external graphic thermo printer to connect at ALGE devices or RS 232 interface.

- function up to  $-20^{\circ}\text{C}$  ( $-4\text{F}$ )
- no moveable printing head
- paper feed key
- direct supply from ALGE-timer or power supply (e.g. NG13A)



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## Startgate STSn

The startgate is built that it resists the highest mechanical requirements. Different types are available:

- STSnM1S – manual reset, 1 contact, built in speech amplifier
- STSnM2S – manual reset, 2 contacts, built in speech amplifier, for FIS races
- STSnA1 – automatic reset, 1 contact, no speech amplifier



## Photocell RLS1n and RLS1nd

The rugged photocell RLS1 proved in many events the advanced, but well proved technology:

- reflection photocell RLS1n: usable up to 25 m distance, output through banana socket and DIN-socket, internal or external power supply, complete with reflector, swivel head, fastening console, and cable
- photocell with separate transmitter and receiver RLS1nd: usable up to 100 m distance



## Headset Q34 and Speech Amplifier SV4

The headset can be used directly with most ALGE-timers. If the timer does not have a built-in speech amplifier it is possible to use the external SV4.

- Headset Q34: high quality, reliable headset that fits easy and keeps your arms free
- Speech Amplifier SV4: Speech Amplifier for a two-wire-connection
- Speech Amplifier SV4-S: as SV4, but with built-in speech key
- Speech Amplifier SV4-SM: as SV4-S but with connection for Startmicrophone SM8



## Display Board GAZ4

For the public information, figure height 15, 25 or 45 cm with yellow figures on black background

- ALGE-timers can show the time or bib/rank on this display board for the public
- internal clock with stopwatch and stop function or countdown with timeout
- can be controlled from any device with RS 232 interface in ALGE-format (e.g. TED)
- best readability also with direct sunlight
- mains or battery operated, low energy consumption
- rugged aluminium case for outdoor use



## Teledata TED-TX/RX

The device for a safe, wireless transmission of timing impulses or data.

- device needs at least a transmitter TED-TX and receiver TED-RX
- general approved in most countries – no fee in the 433 MHz band
- transmitter TED-TX10 with 10 mW for distances up to 1.5 km
- transmitter TED-TX400 with 400 mW for distances up to 5 km
- device can transmit up to 10 different timing channels
- RS 232 interface for universal use, multiple system prevents false triggering or data errors



## Startclock ASC1

Timing device with analogue and digital display and acoustical countdown.

- start interval with acoustic countdown from 11 sec. up to 9 min. 59 sec. adjustable
- led and leg time is adjustable (time during which the start must be). Dot shows real led or leg time (red or green)
- calculation of the real led/leg time
- output contact (potential free normally open contact) to start another timer
- connection for peripheral devices (e.g. startgate, photocell) for backup timing
- all measured times go into a memory
- RS 232 interface for PC and printer P5



## Startbeep STB1

Acoustic start control unit at a economical price:

- 9 fix programmed and two free programmable start intervals
- synchronisation with timing device is possible
- output contact (potential free normally open contact) to start another timer
- also usable as replacement for a start gun (e.g. swimming, athletic)



## Photo Finish OPTIC

Color photo finish system to evaluate mass arrivals and to guard the finish line.

- best picture quality with 16 mil. colors, 1356 pixel per line, and up to 2000 lines per second
- highest timing accuracy through temperature compensated quartz oscillator TCXO
- recording duration only limited by the hard disk
- easy to operate and high reliability under Windows 2000, includes integrated evaluation software
- usable on a desktop PC or notebook with IEEE 1394-OHCI compatible interface



# ALGE

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