

## Timedata Computer TdC 8001

The perfection of an electronic timing computer. The most recent electronic developments in a handy, solid case equipped with all imaginable comfort.

- extremely high accuracy due to a temperature compensated quartz oscillator (TCXO)
- same large, smooth-running keys as at a PC
- separated keyboards for start and finish (two-man operation possible)
- large, very easily readably seven-segment display (LCD) for ID-numbers and time
- alphanumeric LCD for operator guidance and additional information
- 10 independent timing channels (e.g. start, 8 intermediate times, finish)
- memory space for up to 9,999 times each race with ID-number input of up to 9,999
- universal programs for many different sports are included
- high temperature range, operation at severe cold (until  $-25^{\circ}\text{C}/-13^{\circ}\text{F}$  without heating)
- built-in NiCd-rechargeable battery for mains-independent operation
- four races with same ID-numbers can be stored
- buffer for mass finish (9,999 times)
- each timing impulse is stored (time of day), no time can be lost
- printout of a ranking in almost any possible form
- automatic mode with automatic stepping-on of the ID number for start and finish
- connection for headset for voice communication between start and finish via two-core impulse line
- interface for display board, PC (race evaluation) and data communication by radio



## Timy2

A handy timing device and terminal that meets all expectations. Different models available:

**Timy2 XE (without printer) or Timy2 PXE (with printer):**

- highest accuracy due to a temperature compensated quartz oscillator
- graphic display with 128 x 64 pixel and best visibility with back light
- easy to handle silicon keyboard
- integrated thermal printer (model PXE)
- universal software and large memory
- RS 232-, RS 485-, USB-, and display board interface
- 9 timing channels (extension is possible of up to 99 channels)
- FLASH Memory, software update by internet possible
- usable from  $-20$  to  $55^{\circ}\text{C}$  ( $-4^{\circ}$  to  $131^{\circ}\text{F}$ ) without additional heating



## Timer S4

The universal 18-channel timing device for easiest handling. Perfect as accurate timing device in combination with a PC.

- highest accuracy due to a temperature compensated quartz oscillator
- 18 independent timing channels and a memory capacity of up to 8,000 times
- 3 clocks in one device - net timing for 3 competitors
- RS232 interface for display board, printer and PC
- built-in speech amplifier with connection for headset



## Printer P5

Fast, external graphical thermal printer for connection to various ALGE devices.

- also functions at low temperatures



## Photo Finish OPT1c2o and OPT1c2n

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

- best picture quality with 16 m. colors, 1,360 pixel/line and up to 3,000 lines/second
- latest sensor technology with high sensitivity to light and extreme depth of focus
- highest accuracy due to temperature compensated quartz oscillator TCXO
- recording duration only limited by the hard disk
- connection from camera to PC with IEEE1394 cable (max. 10 m and/or 30 m with repeater)
- connection from camera to PC with optical cable (up to 500 m)
- connection from camera to PC with network cable (CAT6 up to 80 m) for model OPT1c2n
- for the optical cable and/or network cable an adapter is necessary at the PC
- applicable on a desktop PC or notebook with IEEE 1394-OHCI compatible interface
- easy to operate and high reliability using Windows XP, Vista or Windows 7



## Headset Q34 and Speech Amplifier SV4

The headset can be used directly with almost all ALGE-timing devices. If the timing device is not equipped with a speech amplifier, the external SV4 can be used.

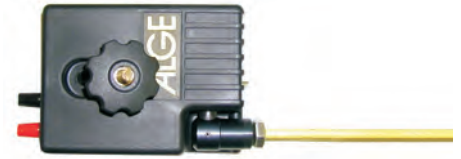
- Headset Q34: first-class, reliable headset with high wearing comfort and solid design
- Speech Amplifier SV4-S: speech amplifier for a two-wire connection and speech button
- Speech Amplifier SV4-SM: like SV4-S but with connection for start microphone SM8



### Startgate STSn

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 PR1a

Photocell with impulse output via banana or DIN-socket. Battery operation or external power supply, synchronisation between two photocells and integrated swivel head.

Types of Photocells:

- reflection photocell PR1a-R: range of up to 25 m, reflector included
- through beam photocell PR1a-d: with separate transmitter and receiver, range of up to 100 m



### Display Board GAZ4

Information for the audience, figure height 15, 25 or 45 cm in bright yellow on black background

- ALGE timing devices can show the time or ID and/or number/rank
- internal clock with stop function and internal countdown with timeout function
- control by any device with RS 232 interface and ALGE-format (e.g. PC)
- best readability even at direct sunlight
- mains or battery operated, low energy consumption
- weatherproof solid aluminium case



### LED-Display Board D-LINE

Information for the audience, red LED, figure height 57, 100 mm for indoor and 150, 250, 300, 450 and 600 mm for outdoor appliance (good readability even in direct sun light)

- internal clock with stop function and internal countdown with timeout function
- control by any device via RS 232 interface or ethernet
- available with radio time receiver (DCF or GPS) or temperature sensor
- power supply directly from mains
- weatherproof aluminium case



### LED Matrix-Display Board D-RTMN

Information for the audience, advertising, time and temperature, etc.

- matrix-display board with different vertical and horizontal resolutions, per pixel 1, 3 or 4 LED
- outdoor or indoor version of the display board is available
- display fields can be configured freely for external data
- direct control from ALGE timing devices, names can be loaded from a PC to the board (Ethernet)



### Teledata TED-TX/RX

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

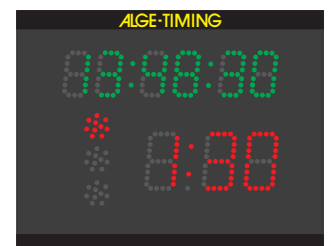
- device needs at least a transmitter TED-TX and receiver TED-RX
- generally approved in most countries – no fee in the 433 MHz band
- transmitter TED-TX10 with 10 mW for distances of up to 1.5 km
- transmitter TED-TX400 with 400 mW for distances of up to 5 km
- device can transmit up to 10 different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



### Startclock ASC2

Start device displaying time of day and countdown in digital LED technology as well as acoustically

- start interval with acoustic countdown adjustable until 9 min. 59 sec.
- tolerance-time display by red, yellow and green lights (green shows allowed starting period)
- countdown and tolerance time can be set based in compliance with the specific sport
- contact output (potential-free normally open contact) for triggering the timing device
- connection for peripherals (e. g. startgate, photocell) for backup timing
- internal memory and RS 232 interface



### Startbeep STB1

Acoustic starting command device as low-priced alternative to a startclock:

- 9 preset and 2 adjustable start intervals
- synchronisation with timing device
- start output (potential-free normally open contact) to trigger another timing device
- also applicable as replacement for a start gun (e. g. swimming, athletics)

