

## ARES 21 Timing Device

Already installed in hundreds of swimming pools worldwide, Ares 21 is the reference in aquatic sports timing.

### Overview

Ares is certainly the most powerful and flexible of aquatics timing device. Ares-SW has been specifically configured to meet the requirements of aquatics disciplines, comprising swimming, synchronised swimming, diving, synchronised diving and water polo. With the operational sports software installed in the laptop, rule changes can be rapidly accommodated and customer systems updated.

The Ares 21 device is an intelligent input/output interface with an onboard buffer memory. Timing data is recorded for each input port and identified with a unique alphanumeric code. Data from the Ares interface is transmitted to the associated computer via a standard serial line. All data processing then takes place in the computer.

The quantity of data stored (i.e. number of races or competitions) is only limited by the size of the hard drive, enabling results from previous races to be recalled for examination on the computer screen, for re-printing or re-transmission to the scoreboard or results system. The Ares concept is protected by a number of International Patents and the Ares interface is fully RoHS and CE compliant.

### Ares Database

The Ares 21 concept enables start lists and event data including title and records to be loaded into the main Ares 21 database. This enables a full result to be generated by the device, including competitor names - with this data available for transmission to



the main results printer or to a full matrix scoreboard. Protocol information can be provided to designers of external results systems to enable start lists to be downloaded from the results system into the Ares 21 database and for timing data to be uploaded from Ares into the results system.


### Applications

Although very powerful, Ares 21 is easy to use thanks to both the extensive "on board" help file and the full colour control screen with an interactive graphical representation of the key functions. As such Ares 21 is suitable for use at all levels of competition, from school events right up to the Olympic Games and World Championships, where the power and versatility of the system has already been proven. In addition, full FINA compliance is guaranteed.

## Security

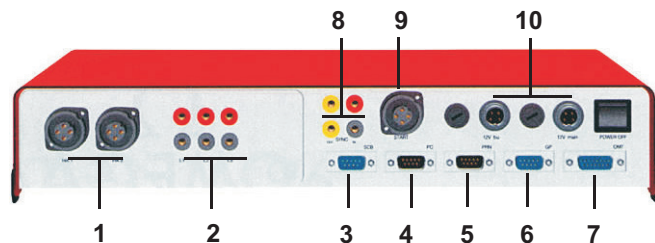
The Ares 21 interface is operated from a twelve volt power pack - ensuring correct operation even in the event of a complete failure of the mains power supply. The use of a notebook computer and battery operated A4 printer enables the competition to continue until mains power is restored, or allows the whole system to be operated from poolside if required. Even when connected to a desktop computer, Ares 21 retains the appropriate timing data in its internal buffer memory - ready for processing as soon as the PC is operational once more.

## Specifications

Article number :	3330.900
Power supply :	External battery 10.8-14.4 V (NiCad or Lead/Acid)
Operating temperature :	0°C to 45°C
Power consumption :	Ares interface 400mA (typical) Swim harness 200mA/harness MTL console 100mA/console
Timing system :	Capacity 23:59:59.99, repetitive
Resolution :	1, 1/10, 1/100, 1/1000th sec
Relative humidity :	(non-condensing) 20%- 80%
Time base frequency :	16 Mhz
Stability (0- 45°C) :	± 1 ppm
Ageing :	± 5 ppm
Dimensions :	410 x 285 x 80 mm
Weight :	2.8 Kg
RoHS & CE compliant	

## Connections

- 1 HARNESS 1/2 Input for timing lines, swimming
- 2 LINE 1/2/3 serial inputs, diving, synchronized swimming
- 3 SCB Scoreboard output RS 485
- 4 PC Computer channel, serial RS 232
- 5 PRN Printer output, serial RS 232
- 6 GP Data handling, serial RS 485
- 7 OMT OMEGA MTL channel
- 8 SYNC Time synchronisation
- 9 START start impulse input and Ready LED output
- 10 MAIN/BU power supply input (main & backup), 12 V external



## Printed results

Printed data is actually available in two formats. Firstly, results are available (appropriate to that actual discipline) for each event, in an A4 format. Secondly a «protocol printer» may be connected directly to the Ares 21 interface to print - in real time - all data recorded by Ares 21, such as lane number and time for swimming or judge number and score for diving.

## Scoreboard compatibility

A variety of Swiss Timing scoreboards may be driven directly by the Ares 21 interface. These include single or multi-line numeric boards plus full matrix devices. As well as transmitting pure timing data, Ares 21 is able to transmit competitor names and record information if the appropriate details have been loaded into the Ares 21 database.

## Options

- |             |  |
|-------------|--|
| 3330.900.BT | <b>1</b> Ares with aquatics interface and Bluetooth  |
| 3330.621    | Single power supply                                  |
| 3330.624    | Dual power supply for Ares 21 + Switcher             |
| 3397.902    | <b>2</b> Laptop (Ares-compatible)                    |
| 3330.613    | Transportation case                                  |
| 3330.701    | <b>3</b> Ares data switcher                          |
| 3330.630    | <b>4</b> Ares online printer with integrated battery |
| 3330.661    | <b>5</b> Ares online printer 115/230V                |
| 3330.633    | Ares diving and synchronized diving software         |
| 3330.634    | Ares synchronized swimming software                  |
| 3330.635    | Ares water polo software                             |
| 3330.636    | Complete suite of Ares aquatics software             |
| 3330.651    | Cable Ares double start                              |
| 3330.650    | Cable connection<br>(20mA/TU4pF & RS485/SUB-D 9pF)   |



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