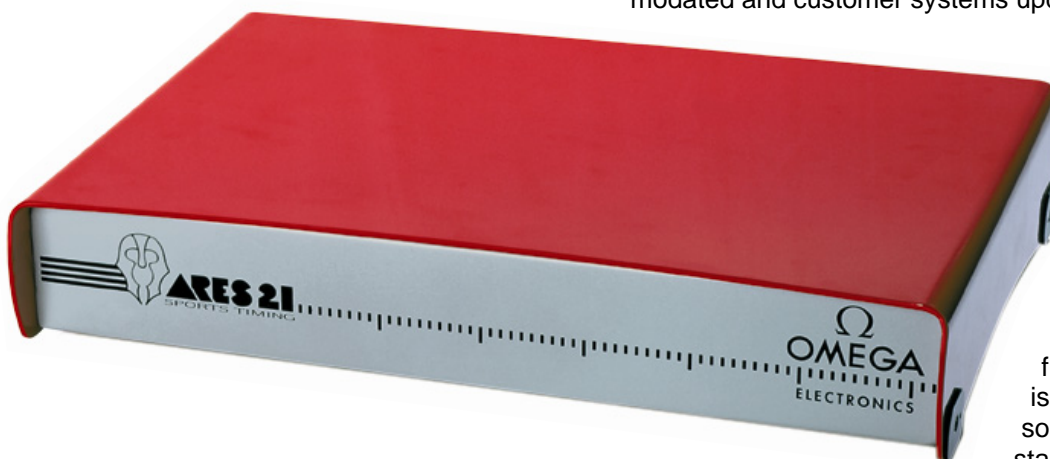# Ares 21 timing device

Ares 21

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

Ares is certainly the most powerful and flexible 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 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-transmission to the scoreboard or re-printed. The Ares concept is protected by a number of International Patents and the Ares interface is fully CE compliant.

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 World Championships and Olympic Games, where the power and versatility of the system have already been proven. In addition, **full FINA compliance is guaranteed**.

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 tune for swimming or judge number and score for diving.

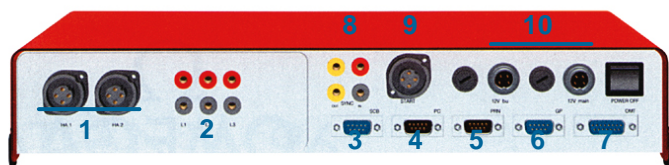|	
Article number	3330.900
Power supply	External battery 10.8-14.4 V (NiCad or lead)
Working temperature	0°C to 45°C
Power consumption (typical)	Ares interface 400mA
	Swim harness 200mA/harness
	MTO console 100mA/console
Timing system	Capacity 23:59:59.99, repetitive
Resolution	1, 1/10, 1/100, 1/1000th sec
Relative humidity	With no condensation 20%- 80%
Time base	Frequency 16 MHz
	Stability (0°C- 45°C) ± 1 ppm
	Ageing renewable ± 5 ppm
Dimensions	410 x 285 x 80 mm
Weight	2.8 kg

3330.621	single power supply
3330.701	Ares data switcher ►
3330.901	Ares with aquatics interface and Bluetooth
3397.902	Laptop compatible Ares ► ►
3330.613	Transportation case (Ares, bridge)
3330.633	Ares diving and synch diving software
3330.634	Ares synchronized swimming software
3330.635	Ares water polo software
3330.636	Complete suite of Ares aquatics software
3330.650	Cable connection (20mA/TU4pF & RS485/SUB-D 9pF)
3330.651	Cable Ares double start
3330.630 .US	Ares online printer with integrated battery ► ►
3330.661	Ares online printer 115/230V ►

1 **LINE** 1/2/3 serial inputs, diving, swimming synchro
2 **HARNESS** 1/2 Input for timing lines, swimming 2x30
3 **SCB** Scoreboard output RS 485
4 **PC** Computer channel, serial RS 232
5 **PRN** Printer output, serial RS 232
5 **GP** Data handling, serial RS 485
7 **OMT** OMEGA MTS channel
8 **SYNC** data synchronisation
9 **START** LED transducer input / output
10 **MAIN/BU** power supply, 12 V external

Scoreboard compatibility

A variety of Omega Electronics 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 has been loaded into the Ares 21 database.

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 mean that the whole system may be operated from the pool side, or merely to enable the competition to continue until mains power is restored. 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.

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 21 into the results system. 3300.525.02C