QUANTUM AQUATICS - TIMING SYSTEM

Overview

QUANTUM Aquatics is an intelligent timer with inputs/ outputs interface and on-board memory buffers. Thanks to its intuitive and interactive graphical representation of the key functions, the timer is user-friendly and can be used 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 has already been proven.

The timer in its Primary & Secondary version includes two complete timing systems and one data switch to select information from the first or the second system.

All actions are recorded through each input port and are identified with a unique data code. Data from the timer interface is transmitted to the associated computers through an USB port.
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's display, for retransmission to the scoreboard or reprinting of the results.

The timer concept shall enable start lists and event data including titles and records to be loaded into the main timer database. In this way, a full result list including competitor names can be generated by the timer. This data is available for transmission to the main results printer or to a numerical, alphanumeric or matrix scoreboard.

The addition of battery powered computers and A4 printers allows the competition to continue even in the event of a total power failure (not recommended). This feature also allows the timing system to be operated safely from the swimming pool side.

TOP FEATURES

- High accuracy
- Suitable for any competition level
- User-friendly
- Used to time major events such as Olympics and World Championships

AVAILABLE VERSIONS

OMEGA Quantum Aquatics Primary
- OMEGA Quantum Aquatics Primary without internal power supply (3480.911)
- OMEGA Quantum Aquatics Primary with internal power supply (3480.911.IS)

Supplied with Swimming software and cables to connect to external battery and PC.

OMEGA Quantum AQ Primary & Secondary
- OMEGA Quantum Aquatics Primary & Secondary (3480.912)

Supplied with internal data switches, swimming software and cables to connect to external battery and PC.

OMEGA Quantum AQ Primary & Secondary-Power supply
- Power supply for OMEGA Quantum Aquatics Primary & Secondary (3480.932)

OMEGA Quantum AQ Primary - Connections

OMEGA Quantum AQ Primary and Secondary-Connections

SPECIFICATIONS

Timing system	Capacity 23:59:59.99, repetitive
Resolution	1, 1/10th, 1/100th sec (sampling 1/10'000th)
Ageing renewable	± 4ppm (10 years)
Stability (0-45°C)	± 0.1ppm
Power supply	External battery 10-18 VDC
Power consumption (standard) without harness module	0.55 A (Primary) 1.1 A (Primary & Secondary)
Power consumption (standard) with 24 harness modules	1.00 A (Primary) 2.0 A (Primary & Secondary)
Working temperature	0°C- 60°C
Relative humidity	0-94% (non-condensing)
Certification	CE and RoHS compliant

OPTIONS

- Laptop compatible Quantum (3397.910) (2 per Quantum Primary and Secondary are needed)
- Single transportation case (3480.925)
- Double transportation case (3480.926)
- Online printer with integrated battery (3480.920) (2 per Quantum AQ Primary and Secondary are needed)
- External Bluetooth RS422 SubD 9pMC (3440.708)
- Quantum Primary and Secondary power supply (3480.932)
- Thermal online printer 115/230V (3330.661)
- Cable double start (3330.651)

Quantum AQ/10-2015

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