SWISS TIMING

QUANTUM RACK - CYCLING TRACK

Overview

Quantum Rack for Cycling Track has been developed by engineers in collaboration with the timekeeping team, in order to combine high technology and competition's reality.

The Quantum CT Rack is a mobile rack made up of three distinct sections: **Quantum Timer - AIG051 - INT217**

QUANTUM TIMER: is the new generation of timers which allow a precision of 1/1,000,000 of seconds. The technology of the Quantum has already been proven in sports such as Swimming and Skiing and is currently used by the Swiss Timing Timekeepers for major events such as the Olympic Games and World Championships.
Thanks to the interconnection with the transponder system, the data handling process is simplified.
To ensure the security of the results, Quantum offers a fully integrated Primary and Secondary solution. Every information and pulse entering in Quantum are always received by Primary and Secondary timers.

AIG051: is a pulse distributor used in Cycling Track with the Quantum timing system. It receives all pulses from the track and sends them to specific devices such as the timing system, the photo finish system and transponders.

INT217: is a distributor and converter of serial lines; it also creates virtual serial lines for a computer connected by USB or Ethernet. It includes a Primary and a Secondary system; commutation between both systems is done easily by pressing a button.
Serial lines can be used to connect the transponder decoder, a scoreboard, the pursuit system, etc...

TOP FEATURES

- Primary and Secondary solution
- Interconnection with transponder „Easy Timing"
- High precision of 1/1,000,000 s
- Display of an MS Excel interface to get the results
- Can be used for timing (with operator) and for training
- Full UCI compliance
- Can manage up to 5 transponder decoders

QUANTUM RACK PACKAGE

Rack mounted including:

- Quantum timer
- AIG051
- INT217
- Double power supply
- Internal data switcher
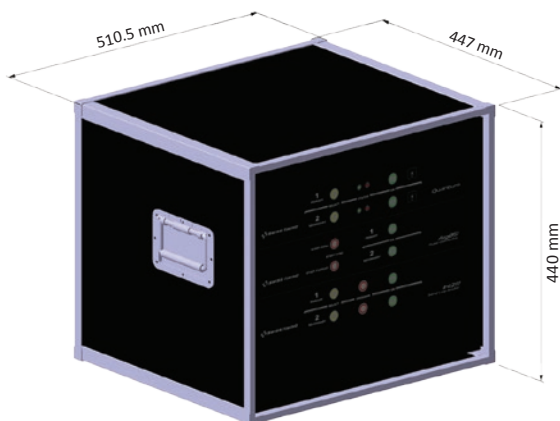- Internal data interface
- Timing software
- Dongle

Timing room during a Cycling Track event

SPECIFICATIONS

Article number	3493.900
Dimensions	510.5 x 447 x 440 mm (LxWxH)
Weight	22 kg
Certifications	Full UCI compliance

DIMENSIONS

OPTIONS

- Laptop compatible Quantum (3397.911)
- Quantum online printer (3480.920)
  Online printer with internal power supply
- CT Training Software (3491.991)
  The system is based on multiple transponder loops installed under the track of the velodrome. The coach assembles individual track configuration by selecting the desired loops on a tablet, and if required, independently for each athlete. As a result, specific intermediate, sector and finish times as well as speed information are available in real time.
  Configuration settings and gathered results are storable, and are therefore particularly appropriate for progressional and periodic training.
  The integration of starting gates in the training is a further notable feature.
  One of the advantages of the CT trainer is that it can be accessible and usable on all devices with a browser and an internet connection.

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