





TRACKER - PURSUIT CLOCKS FOR CYCLING TRACK

Overview

The Tracker is designed to complement the Swiss Timing Cycling Starting Gates and also integrates with our Quantum timing system.

Normally working in pairs for Cycling Track, they are used as the official start device for Individual and Team Pursuit, 500m Time Trial, Kilometre Time Trial and Team Sprint.

When linked to Starting Gates, they ensure a fully automated start sequence. After a programmable countdown time with audible signals, the Tracker perfectly synchronises the start signal with the timing system, the opening of the Starting Gates and the starting sound. The start signal can be selected from a choice of sounds including a horn and a sampled gun shot. Once the race is underway, the countdown resets to become the lap counter and bell.

An integrated sensor adapts the luminosity of its 150 LED digits to the ambient light conditions. When integrated with a cycling timing system from Swiss Timing, red and green semaphore (signalling) lamps mounted above the digits can indicate in real time the corresponding athletes' contact with their finish line during pursuit style races.

The easy-to-use Tracker controller LCD matrix screen shows the status of the competition and provides access to all of the configurable options. Lap counter functions can be selected by the officials using the console or an integrated keypad on the side of the clocks. The Tracker is homologated by the International Cycling Union (UCI) for national and international competitions, and is used worldwide by Tissot Timing at all of their major events.

TOP FEATURES

- Countdown display & sound
- Lap counter
- Red and green semaphore (signalling)
- Integrated keyboard
- Manual rotation
- Integrated battery



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HOW IT WORKS

During the start phase, the Trackers display a 50-second countdown, as required by the UCI rules. Geographically located at the centre of the Velodrome, the "Official Starter" launches the countdown from the Main Judge Controller.

To help the athletes to stay concentrated on the start signal, the Tracker beeps at 30 seconds, 10 seconds, and then every second for the last five seconds, with a different sound for the last beep. The volume is adjustable, and the last sound (signalling the start) can be switched to a synthesised pistol sound. As soon as both Starting Gates are opened, the timing starts and the Tracker automatically switches to "Lap Counter" mode after 5 seconds. All distance values and the amount of laps are entered in the Main Judge Controller prior to the race.

Both referees assigned as lap counters may independently decrease the laps by using a keypad located on the left side of the clock. The system is used by Swiss Timing, and is homologated by the UCI for national and international competitions.

TRACKER SET PACKAGE (3442.901)

Article	Qty	Art. number
Tracker 2 digits	2	3442.702
Support	1	9051.6335
Main Judge Controller	1	3442.722

TYPICAL STAND ALONE CONFIGURATION

SPECIFICATIONS

TRACKER SPECIFICATIONS

Article number	3442.900	
Housing width	640 mm	
	(690 mm with handles)	
Housing	715 x 155 mm (H x D)	
Digit height	26 cm	
Support height	adjustable 1040 to 1490 mm	
Weight with support	21.6 kg	
Backup battery life	4 hours	
Power supply	115-230 VAC, 50/60 Hz	
Power consumption	100 VA	
Countdown sound	Beep (500 and 1000 Hz)	
Countdown start	Bang or beep	
Last Lap indication sound	Bell (synthesised)	
Volume	Adjustable, up to 102 dB	
Integrated keypad	4 keys (clear, lap +, lap-, bell control)	
Operating temperature	0° to 50°C	
Storage temperature	-10° to +50°C	
Protection	IP 55	
Certification	CE and RoHS compliant	

MAIN JUDGE CONTROLLER SPECIFICATIONS

Dimensions	336 x 210 x 84 mm (HxWxD)
Weight	2.2 kg
Display type	240 x 128 pixels matrix LCD
Power supply	12VDC 110/230V AC/DC adapter included
Operating temperature	0° to +50°C
Storage temperature	-10° nto +50°C
Protection	IP42
Certification	CE and RoHS compliant

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