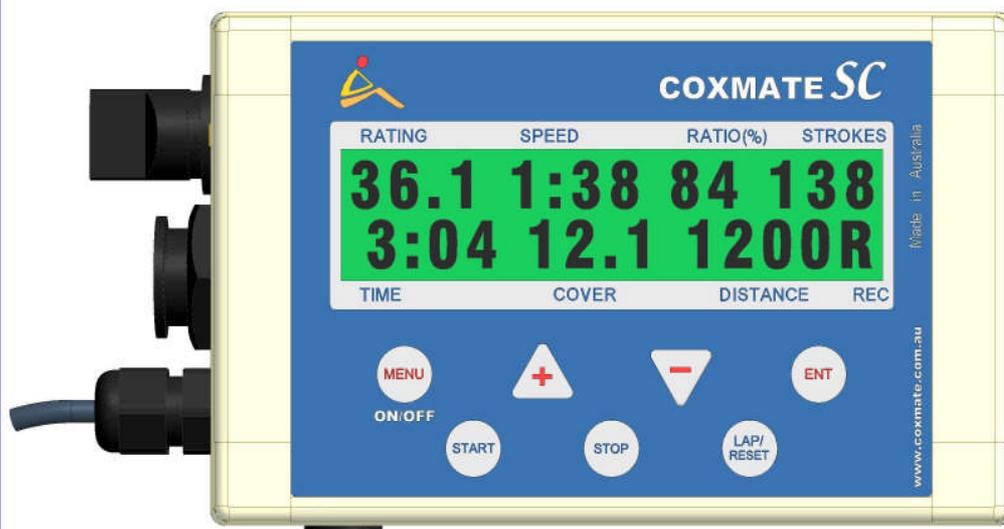


COXMATE

ADVANCED ELECTRONICS FOR ROWING

SC



BUILT IN RADIO RECEIVER

OPTIONAL SPEED SENSOR

**LARGE DATA STORAGE
CAPACITY**

**COMPUTER LINK and
ANALYSIS SOFTWARE**

The **Coxmate** range of electronics assistants for coxes brings the benefits of current electronics technology to rowing.

The **Coxmate SC** is the latest in the range taking rowing electronics to a new level. It incorporates **all** the features of the **SR**, plus an optional speed sensor, a large memory capacity for storing rowing data, a link to connect to your PC, and a software analysis package to analyse your performance. The **SC-R** version also includes a built in radio receiver

The **SC** gives the cox an immediate display of speed, stroke cover, distance, velocity ratio, rating, stroke count and time. It also precisely records the boats performance. Velocity is recorded approximately every 20mS. This data is time and date stamped. It can then be transferred to a PC and used to analyse crew's performance. Each rowing record can be annotated with comments, detailing crew composition, weather conditions etc. A database is then built up. The analysis enables multiple variables eg rating, speed, speed ratio (min/max speed during a stroke) to be displayed on same graph, or, the same variable, eg speed to be compared from different records. For example four different start routines could be compared on the same graph. The display could be over a single stroke or a 2000 metre race.

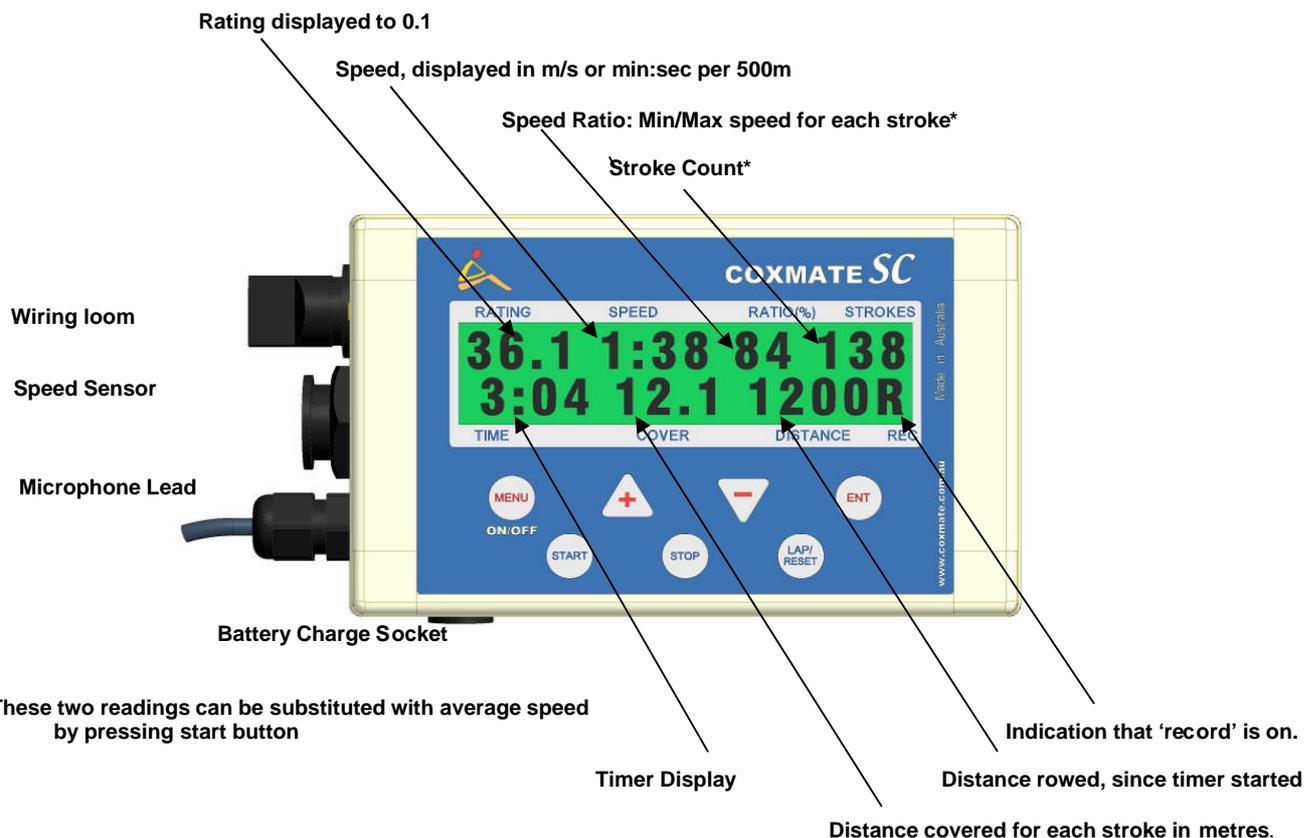
The **SC** is a sophisticated device, with considerable storage and processing capability. To ensure users can always benefit from developments in the future, it is capable of having new versions of software downloaded over the Internet. So you will get free easy accessible bug fixes – in case there are any, and for a nominal fee you will be able to add features which hitherto have not even been thought of!

The **SC** is compatible with all **Coxmate** speakers, stroke/seat sensor and wiring loom as well as the Nielsen Kellerman Cox-Box™ and Cox-Vox™ units. An **SC** unit can be plugged directly into an existing Nielsen Kellerman wiring loom.

The following **Coxmate SC** components are available:

-  **SC-Kit:** **SC** control unit with charger, carry case, mounting plate, silicone grease and manual.
-  **SC-R-Kit:** **SC** control unit with built in radio receiver, charger, carry case, mounting plate, silicone grease and manual.
-  **CH4-SC-kit:** Wiring loom for four with 2 speakers and stroke/seat sensor.
-  **CH8-SC-kit:** Wiring loom for eight with 4 speakers, stroke/seat sensor and section connectors.
-  **SC-XP:** A speed sensor and PC analysis software. Speed sensor comprises impeller assembly for mounting on external surface of hull and a pick up mounted on inside of hull – no penetrations required.





Specification



Batteries: NiMH. Charge time approx 8 hours. Run time approx 10 hours with backlight OFF and 5 hours with backlight ON.



Stroke rate: Range: 5.0 to 69.9 strokes/minute. 0.1 resolution



Timer/Stopwatch: 00:00.0 to 60:00.0 (mm:ss.s). Rolls over to 00:00.0 and continues timing if >59:99.9. Start is initiated by pushing **start** button twice or **start** button once plus pulse from stroke/seat sensor.



Stroke Count: 0- 999. Rolls over to 0 and continues to count if > 999.



Metronome: Audible pulse between 5 and 70 per minute.



Radio (SC-R version only): UHF CB Range (476.425 to 477.4 MHz); 40 Channels. Independent volume control from microphone.



Record: Up to approx 2 hours recording of rowing data, including velocity every ~20mS, can be recorded and downloaded to PC. Data includes, rating, time, distance, cover, stroke count and minimum/maximum ratio of velocity for each stroke. In addition the **Record/Recall** functions used on **SR** are also available – without PC being required: Rating; Up to 80 readings of stroke rate, averaged over 15 seconds for four readings and 30 seconds thereafter. Intervals; 20 interval times.



Speed Sensor: Magnetic impeller mounted externally, with internally mounted pick up.



Sealing: All components sealed to IP67.



Buoyancy: SC floats



Dimensions of SC: 145x90x45 mm



Weight of SC: approx 450g



Speakers: Up to a maximum of 4 speakers can be connected.



EMC: FCC: Part 15 Class B. CE: EN50081.1:IEC/CISPR61000-6-3:1996 Class B (radiated emissions) and 61000.4.2 2002 electrostatic discharge immunity



SC-Analysis: Details of this software are covered in separate data sheet.

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www.coxmate.co.uk

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