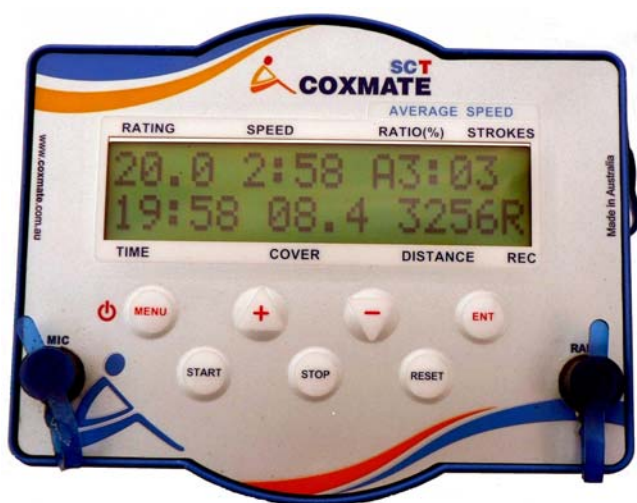


# COXMATE

ADVANCED ELECTRONICS FOR ROWING

## Coxmate SCT

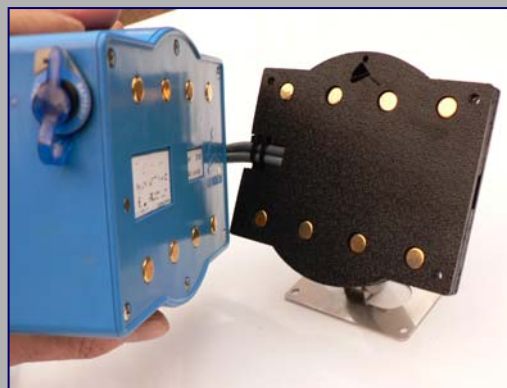


The **Coxmate SCT** is an evolution of the **Coxmate SC**. It has a tough ABS waterproof enclosure with the unique Coxmate magnetic mounting base. This simplifies fitting the unit into the boat and enables position and angle adjustment. This does away with the problems caused by frequent operation of the 4 pin rubber connectors. It takes less than a second to fit the unit into the boat.

The **SCT** will operate alone to display rating, stroke count, time and record functions. The optional speed sensor adds speed, distance, cover (*distance travelled per stroke*), speed ratio\* (minimum speed/maximum speed for each stroke), average speed and a PACE boat function. The optional **Coxmate** Analysis Software enables detailed rowing data to be transferred to a PC and analysed.

The **SCT** is a sophisticated device with considerable storage and processing capability. To ensure users can benefit from future developments, it is capable of having

- **New durable enclosure**
- **Magnetic mount for quick connection in boat**
- **Speed measurement with either impeller or GPS**
- **PC transfer with powerful analysis software**
- **PACE boat feature**
- **Standard input for radio – coach to crew communication**



*The mounting system provides quick connection and adjustable position and angle of unit.*



*Optional Speed Sensor: Either a GPS or impeller sensor available*

new versions of software downloaded over the Internet. The software can also display a synchronised image of both the velocity profile\* of the boat and a video of the rower(s) on the same screen.

The **SCT** is compatible with all **Coxmate** speakers, stroke/seat sensor and cable wiring loom and Nielsen Kellerman peripherals.

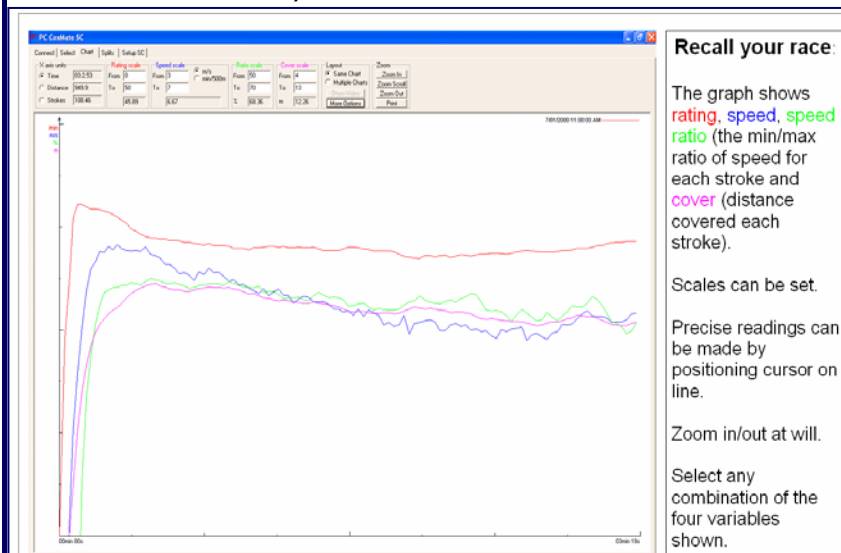
\* This function not available with GPS speed sensor.



The microphone connector is a waterproof jack, with a sealing cap.

## Sample graph

From the SC Analysis Software - and there's much more!



## PC Analysis Software:

The data is time and date stamped. Once in the PC, rowing records can be annotated with details of crew composition, weather conditions etc. A database can be built up, enabling multiple variables, eg. rating, speed and speed ratio to be displayed on same graph, or, the same variable, eg. speed, to be compared over different records. Four start routines could be compared on the same graph. The display could be over a single stroke or a 2000 metre race.

## Specifications:

- **Batteries:** NiMH. Charge time approx 8hrs. Run up to 10 hours – reduced to 6 hours with GPS speed sensor
- **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)
- **Stroke Count:** 0- 999.
- **Pace Boat:** Set speed. Displays +/- XX.Xm – position relative to PACE boat.
- **Record:** Up to 1hr recording of rowing data, every ~20mS.
- **SC-Analysis Software:** (Optional): Connect **SCT** to PC: serial or USB. (Incl. USB converter) Details in separate data sheet.
- **Speed Sensor:** Optional Magnetic impeller or GPS.
- **Sealing:** Waterproof to IP67, 2 metre immersion. SC floats.
- **Dimensions; Weight:** 145x90x45 mm; 550g
- **Speakers:** Up to 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

## SCT components:

- **SCT-Kit:** **SCT** with charger, carry case, magnetic mounting base, silicone grease & manual.
- **SC-XP-GPS or SC-XP-xx:** Impeller speed sensor kit; **xx** is **2m** for bow coxed four, **7m** for stern coxed four, **14m** for eight without section and **(5+9)m** for sectioned eight
- **SC-Analysis Software:** (Optional) Link for PC connection: serial or USB. Includes USB converter, Powerful analysis software
- **CH4-SR/SC-Mod-kit:** Wiring loom for four, 2 speakers & stroke/seat sensor.
- **CH8-SR/SC-Mod-kit:** Wiring loom for eight (with or without section) with 4 speakers, stroke/seat sensor.

[www.coxmate.co.uk](http://www.coxmate.co.uk)

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