

Recent updates in BioRowTel™ system



February 2015

Hardware updates

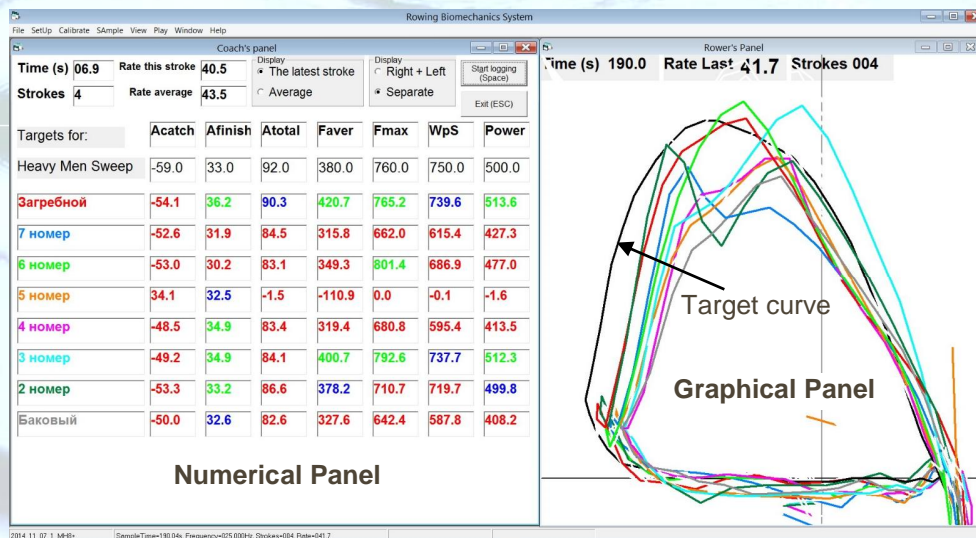


New 2D oar angle sensor was made “uni-gain” now, which means the calibration factor is precisely adjusted to the same value in all sensors. This makes the system easier to use, without necessity to manage calibration, and also allows easy replacement of the sensors

New oar angle sensor has detachable cable for the handle force sensor, which allows its quick replacement in case of damage. The spare connection cables are supplied with the system and could be ordered extra at the price only \$10 US each.



Software updates



A new real time feedback function was developed, which combines both numerical and graphical data evaluation.

A graphic window shows force curves for each rower, as well as the target curve in thick black line.

A numerical window shows seven data values for each rower per stroke: catch-finish angles, max. and average forces, work

per stroke and rowing power. Target values could be setup for a specific rowers category defined by a gender (M/W), weight category (H/L), boat type (1x, 2x, 4x, 2-, 4-, 8+), and age category (A/B/J/M). Evaluation is performed using various colours of the numbers:

- Green means the target was achieved,
- Blue means the measured value was within 5% from the target,
- Red means the measured value was below 5% from the target

The evaluation could be made based on the last stroke, or on the average since the start of the piece, as a sum of two oars in sculling, or separately.



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