

## AChS-1 – aviation clock with chronograph

A gauge for MSFS2004

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*AChS-1 general view*

AChS-1 is a 12-hour dial clock with special chronograph and an 12-hour elapsed time features designed for use as a navigational instrument in aircraft. This gauge is not affected by the time-zone boundaries. It is completely synchronized with MSFS internal timer, so can be used even when time acceleration is used.

The functional features of the elapsed time clock were; 1) a 12-hour dial; 2) a chronograph system for measuring and recording short intervals of elapsed time; 4) an elapsed time mechanism entirely independent of the chronograph, for measuring long intervals of time (in both hours and minutes).



1. Elapsed time scale
2. Current time scale
3. Chronograph scale
4. Chronograph start, stop and reset
5. Elapsed time start, stop and reset
6. Elapsed time signal plate: running (red), stopped (red-white), reseted (white)

Main mechanism of this clock is running continuously. Both hour and minutes hands can be adjusted by clicking on the current time scale boundaries. By clicking on the center of the current time scale, the clicks are reseted to the local time.

Elapsed time mechanism can be started, stopped and reseted by clicking on the left (red) head (position 5). The cronograph mechanism can be started, stopped and reseted by clicking on the right («ИТЧК») head (position 4).

This package contains three gauges:

- AChS1 – independent gauge. This clocks can be used independently, one can install a number of this gauges in one panel and set them to different times.
- AChS1\_master – “Master” clock. Only one gauge of this type can be used in one panel, but it can be used along with “independent” version. This gauge not only display time, but also send data to the “slave” version (AChS1\_slave). One can place “master” gauge in the main panel and “slave” gauge in the mini-panel.
- AChS1\_slave – “slave” gauge. This clock possess no controls, it only displays the data from “master” gauge. One can use several gauges of this type in one model.