

The SASM51 is a replacement for Omega ® 1602 modules with time, seconds and date feature and line display. As known from other watch movements produced by StrikesAndSpares Semiconductor the SASM51 is built with original parts from disassembled Pulsar®, Omega® or Hamilton® movements. The red display, the plastic carrier, the quartz crystal and the trimmer will be swapped from your module to a new circuit board.

**The Time Feature:** Press the upper button at 2 o'clock position once to show the time. The time will light up for 1,5 seconds. Hold the button for seconds display.

**The Date Feature:** Press the upper button at 2 o'clock position twice to show the date. Release to deactivate the date display.

**How to set your watch:** The time setting and the software time trimming features are activated with the 2<sup>nd</sup> button at 3 o'clock position. Press it once to set the hours. On the first two digits, the hours lite up. Use the upper button to increase the hours. Take care of the AM/PM indicator on digit three: An "A" indicating AM time should light up between 00:00h and 11:59h, between noon and midnight the "P" stands for PM time. Press the lower button again to start with the setting of the minutes. Advance the minutes with the upper button. Make sure that you always set the minute to the next following one. For example at 12:09h, set the minutes to 12:10h. Press the lower button again to set the month. Increase the month with the upper button at 2 o'clock.

Next press the lower button to set the day. Again, advance with the upper button. Press the lower button to adjust the accuracy of your module in 0.5 seconds steps. To diminish or increase the value of the correction parameter, press the upper button. The correction value starts with 0.5 and ends with 5.0- (minus 5.0). Example: If the watch gains half a second per day, choose the correction value 0.5- (minus 0.5). In case the watch is running too slow and loses one second per day, choose correction value 1.0. Once the right value is shown in the display, push the lower button to quit the time correction feature. The fine trimming feature lights up. Change the value between 0.1 and 0.4 seconds a day with the time button. Example: If the watch gains 0.6 seconds per day, choose the time correction value 0.5- (minus 0.5) and the fine trimming value 0.1. In case the watch is running too slow and loses 1.3 seconds per day, choose time correction value 1.0 and fine trimming value 0.3. To deactivate the software trimming feature in general, choose the value 0.0 for both trimming features and push the lower button.

In case you have also set the minutes the time computing was halted and will not start. The time remains at :00 seconds until the upper button has been pushed just at exact 12:10h (upper example). A flashing middle segment on the last digit will show, that the time computing hasn't started yet. The time computing will not be stopped and you will not see a flashing middle segment if you haven't set the minutes. This becomes quite handy if you are travelling between time zones and just want to increase or diminish the hours.

**Trimming with the original trimmer:** In addition the accuracy of the module can be adjusted by the original Omega trimmer remaining on the module as well. However we highly recommend to leave the trimmer as-is and adjust your module with the new software trimmer instead.

**Batteries:** We recommend installing two Varta cells of the type V12GA or V386. Other widely available types which can be used are LR43, #386, AG12 or SG12. Do not use #357, AG13 / SG13 or LR44 cells as they will destroy your module.

**Warranty:** We deliver all SASM modules with a full one year warranty. The appointed date of the warranty is the indicated date of the invoice. Please keep this invoice for your own records and as a document in case of a defect on the module which is covered by this warranty. The warranty does not include defects of the original display unit which is about 40 years in age!

**Personalization and Software Releases:** All SASM series modules can be programmed with a special, individual message. This message can either be shown when batteries are replaced or during normal operation, for example once you have pushed the time button several times. Please mention, that not all letters can be displayed through a seven segment display and the 1<sup>st</sup> digit can show the character “1” “,” “” or “I” only except for 24h modules (SASM32). The software version indicator will light up with “IN” (*individual*) to show the module as personalized. A personalization is 89,00 € You can always change the software back to a standard release at a later point of time which is 29,00 € The different software releases are arranged by the corresponding letter and are used in the manner you can see below.

E:	Initial release ( <i>Erstausführung</i> )	A:	1 <sup>st</sup> software modification
b:	2 <sup>nd</sup> software modification	c:	3 <sup>rd</sup> software modification
d:	experimental release	F:	4 <sup>th</sup> software modification
H:	5 <sup>th</sup> software modification	IN:	individual module

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