

The SASM35 is a replacement for Pulsar® 403 modules with flick of the wrist feature and DOW display. As known from other watch movements produced by StrikesAndSpares Semiconductor the SASM35 is built with original parts from disassembled Pulsar®, Omega® or Hamilton® movements. The red display, the plastic carrier, the quartz crystal and the reed switches will be swapped from your module to a new circuit board. The Pulsar trimmer stays the same and will be fully functional.

**The Time and Date Feature:** Press the lower button once or quickly turn your wrist to show the time. The time will light up for 1,5 seconds. Hold the button for seconds display. Press the upper button once to show the date and day of week (DOW). The date and DOW will light up for 1,5 seconds. Please mention that the flick of the wrist feature (mercury switch) will work much better in a warm environment.

**How to set your watch:** We recommend to start with the setting of the day and DOW and continue to set the month, then hours and finally the minutes. Press the upper button 3 times in less than 3 seconds. The display stays lit. Then use the upper button to set the month and the lower button to set the day. Hold both buttons to set the DOW. During the setting of the day and DOW you should also care about the AM/PM indicator. The upper dot should light up between 00:00h and 11:59h. Between noon and midnight the lower dot should indicate PM time. On February, 29th the date has to be changed to the 1st of March manually (exception: leap years).

In the same manner the hours and minutes are set. Push the lower button 3 times in less than 3 seconds. Use the upper button to set the hours and the lower pusher to set the minutes. No operation of a button ends the setting procedure of time and date automatically. Make sure that you always set the minutes to the next following one. For example at 12:09h, set the minutes to 12:10h. The time computing will not start and the time remains at :00 seconds until the time button has been pushed just at 12:10h. The time counting begins at 12:10:00 and the time will light up.

**Trimming:** The accuracy of the module can be adjusted by software and the original trimmer. To start the software time correction feature, press the upper button until the date disappears. Then press the lower button at the same time and release both buttons. The display will light up with „cor“ for (time) correction. To diminish or increase the value of the correction parameter, press the upper push 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 time button to quit the time counter correction. “Set” will light up in the display. To deactivate the software trimming feature, choose the value 0.0 and push the time button.

**Batteries:** We recommend installing two Varta cells of the type V13GA, V76PX or V357. Other widely available types which can be used are LR44, #357, #1154, AG13 or SG13.

**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 both time and date button. 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. All SASM3X modules can be updated to the latest release, which is also 29,00 €per module.

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