SPORTident Information Sheet

SPORTident Control Stations

The SPORTident stations series 8 provide the following features:

- The stations are "always on" and work in a low power Stand-by Mode. There is no need to switch the station on before the unit can be used. The station is switched from Stand-by Mode to Active Mode when the first SPORTident card is inserted. The wake up time is approx 1 second.

- Once the station is in Active Mode the reaction time to the dipping of subsequent SPORTident cards is between 115-330ms (depending on the SI-Card used). After a specified period without a SPORTident card being dipped, the station drops back to Stand-by Mode.

- The station will beep and flash to confirm the data transfer is complete.

- The stations have an LCD display which shows the main stations settings including real time and code number. After a card has punched the card number is displayed for 3 seconds.

- From Stand-by Mode, the station can also be switched to Service Mode. This is done by using the Service/Off card. In Service Mode the station's LCD display shows additional information including battery consumption and firmware version. Information about the station's battery is given by measuring both the battery voltage and by computing the station's battery consumption in relation to the battery performance. The station automatically returns to Stand-by mode after 10 minutes.

- Station settings can be changed by using the PC-software SI-Config

- The station's real time clock system is calibrated and temperature compensated (firmware V5.53 and higher). This offers higher accuracy also at very high and very low temperatures. The internal time resolution is approximately 4 ms.

- The station's backup memory has been increased and is 8 times larger than the BSF6 station.

- SPORTident BSF8 stations feature with an easy firmware upgrade mechanism.

- Firmware can be uploaded by the user via simple inductive coupling. This feature keeps the station up to date and enables the implementation of additional functionality. To upgrade the firmware a BSM8 Master Station is required.

- It was a special goal to develop a device which best meets the growing requirement to protect our environment. The series 8 stations feature very low power consumption. Typically, the battery will serve for several years. The battery is soldered to the printed circuit board and this enables SPORTident to control the disposal of used batteries. For the first time, environmentally compatible lithium batteries have been used. This battery type does not contain cadmium or mercury.

- Batteries should be replaced when the voltage reading falls below 3.2v. Please note that due to the nature of lithium batteries, if a station has not been used for a month or more, the voltage reading may not be accurate. Before returning it for a new battery, turn the station on with an SI-Card and leave for 15-20 minutes... then check the reading again.

BSF8-DB (Display Bottom)

Weight [g]	62
Dimensions [mm]	101 x 51 x 19

- The Series 8 stations feature a smooth and compact design. A special Converter Plastic Holder is available so that the station can be snapped into an existing larger holder that is used for BSx3/4/6/7 stations.
- The battery has a capacity of 1000 mAh.
- Translucent red case

BS8 SI-Master

Weight [g]	62
Dimensions [mm]	101 x 51 x 19

The SPORTident BS8 SI-Master can be configured as any other SPORTident station but also includes two additional service modes:

- TimeMaster
- ExtendedMaster

As "TimeMaster" the station transmits its clock time to any other SPORTident station using the coupling stick. This enables a set of SPORTident stations can be synchronised very quickly. SI-Master in this mode also works with older SPORTident stations from series 3, 4 and 6.

In "ExtendedMaster" Mode the SI-Master transmits its clock time to any other SPORTident station. Additionally the SI-Master clears the backup memory of the slaved station and transmits its own active time to any other unit. The ExtendedMaster functionality only can be applied to SI-stations of series 7 and 8.

- Same case and battery capacity as a BSF8-DB.
- LCD display on top of station
- Translucent blue case