SPORTident Station BSF7

The stations of the BS7 series are discontinued. Use the stations of series BS8 instead.

Description

- The SPORTident Base Station Field 7 is compatible with the already existing SPORTident system parts and can be used mixed with older equipment.

- The SPORTident station BSF7 is “always on” and works in a low power Stand-by Mode. There is no need to switch on the station or to make any special preparations before the unit can be used. Also in Stand-by Mode the station is ready to process SPORTident Cards. The maximal wake up time is 1 second. The station is switched from Stand-by Mode to Active Mode when the first SI-Card is inserted.
- Once the station is in Active Mode the reaction time to the insertion of subsequent SI-Cards is very quick. After an adjustable period without a SI-Card being inserted, the station drops back to Stand-by Mode.
- The BSF7 station features with an on-board service display visible from the back side. The display shows quickly main stations settings like 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 switching on the station with the Service/Off-Card. In Service Mode the station’s LCD display

offers additional information like station's serial number, battery consumption and firmware version. Information about station's battery is given both by measuring the battery voltage and by computing the station's battery consumption in relation to the battery performance. Service Mode is automatically terminated after 5 minutes or earlier if the Service/Off-Card is used.

- The SPORTident Station BSF7 features with a very low power consumption. In typical application cycles a battery will serve for several years. This enables the use of a smaller battery. The battery is soldered to the printed circuit board and this enables the SPORTident GmbH to guarantee and control a fully certified disposal of empty batteries. For the first time an non-polluting Lithium battery is used. This battery type does neither contain Cadmium nor Mercury.
- The station's real time clock system is calibrated and temperature compensated (starting with firmware V5.53). This offers higher accuracy also at very high and very low temperatures. The internal time resolution is 1/256 s, approximately 4 ms.

Handling and service

- The BSF7 only needs minimal services. In typical application cycles only station's real time has to be monitored.
- Station's settings can be changed by using the PC-software SI-Config+. In the inductive coupling process between a SPORTident master station and a slaved station the coupling stick should be used to improve data transmission.
- To achieve highest synchronism in station's real time clock it is recommended to adjust station's real time by using the SPORTident Station BSF8 SI-Master (coupling stick needed).
- The battery has a capacity of 2000 mAh. This value should not be changed in the setups.
- SPORTident-Station BSF7 features with an easy firmware upgrade mechanism. Station's 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 master station must be used. Information about the firmware version and features are available at www.sportident.com.

Specifications

Internal power supply	1 x Lithium AA cell, no rechargeable
Battery capacity	2000 mAh
Durability	4 - 7 years
Battery exchange	by SPORTident GmbH and authorized SPORTident partners
Operating range	- 20°C to + 50°C
International protection class	IP 64 (DIN EN 60529) Protection against penetration of dust Protection against splashed water from all directions
Dimensions	115 mm x 62 mm x 32 mm
Weight	150 g
Accuracy at normal temperature	less than +/- 20 seconds a month
Switch on time	< 1 second (standard)
Backup memory	maximum number of punches: 21802 maximum number of SI-Cards data records: 1022