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## SPORTident BS8 SI-Master

Thank you for using our SPORTident BS8 SI-Master. This data sheet describes the features to be considered using the system parts.

SPORTident BS8 SI-Master is an extended SPORTident Control station. It works and can be configured as any other SPORTident-Station.

In addition two new service modes are implemented:

TimeMaster  
ExtendedMaster



In operating mode "TimeMaster" the station transmits its clock time to any other SPORTident-Station inductive coupled to the SI-Master. So a set of SPORTident-Stations can be synchronised very quickly. In this mode the SI-Master works together also with older SPORTident-Stations from series 3, 4 and 6.

Also 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.

The different service modes are activated by using the Service/OFF-Card. There is the following order:

- |                   |        |
|-------------------|--------|
| 1. Service        | SERVMO |
| 2. TimeMaster     | TIMEMA |
| 3. ExtendedMaster | EXTMA  |
| 4. Off            |        |



Each action by an ordinary SI-Card immediately activates station's base mode.

For the inductive coupling process a coupling stick should be used. An acoustic/optical feedback signal indicates the completion of the synchronisation process.



## Resolution

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.

## Specifications

- Internal power supply: 1 x Lithium ½ AA cell, no rechargeable
- Battery capacity: 1000 mAh
- Durability: 3 – 5 years
- Battery exchange: by SPORTident GmbH and authorized SPORTident dealers
- Operating range: -20°C - +50°C
- International protection class: IP 64 (DIN EN 60529)
  - Protection against penetration of dust
  - Protection against splashed water from all directions
- Dimensions: 101mm x 51mm x 19mm
- Weight: 62 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

Good luck with SPORTident!