

**Temperature sensor**

**SBS-01T**

**Instruction Manual**

Thank you for purchasing Futaba's SBS-01T Temperature Sensor. This sensor, used in conjunction with a telemetry enabled transmitter/receiver, is used to indicate the operating temperatures of the item to which it is attached. To maximize your enjoyment, and to ensure proper sensing, please read through this manual thoroughly. We also encourage you to retain the manual for future reference should the need arise.

● **The SBS-01T is designed for use with Futaba telemetry systems.**

Use : Temperature sensor  
 Range : -20°C ~ 200°C  
 Length : 535mm  
 Weight : 4.7g  
 Voltage : DC 3.7V ~ 7.4V

**Wiring**

The SBS-01T may only be used with telemetry enabled receivers that offer S.BUS 2 port(s). Please refer to the manual(s) that accompanied your transmitter and/or receiver for proper connection methodology.

**LED Indication**

Green	Normal operation
Red	No signal reception
Green/Red	When setting up the slot
Green/Red Alternate blink	Unrecoverable error

**Mounting Precautions**

Please take care to ensure that the only portion of the temperature sensor that touches the desired surface (cylinder head, motor can, etc.) is the sensing unit itself as indicated in the image below. To prevent damage, do not allow the remaining parts of the SBS-01T to touch the areas that will become hot.

**Slot Number Setup**

Please note that the proper default slot for this accessory is number one. Information on how to change the slot assignment is included in the transmitter's manual.



**⚠ WARNING**

- ❗ **To utilize the SBS-01T temperature sensor, connect it to the S.BUS2 port of the Futaba telemetry enabled receivers.**
  - The SBS-01T will not function properly if connected to an S.BUS port or other channel ports.
- ❗ **Ensure that the unit is connected properly to the receiver.**
  - Failure to do so could result in damage to the sensor.
- ❗ **To prevent any burns, always mount the SBS-01T to the engine after it has completely cooled.**
- ⊘ **Do not use the SBS-01T with anything other than an R/C model.**
- ❗ **The maximum operating temperature for the SBS-01T is 200°C .**
  - If used in applications that exceed the maximum operating temperature there is the risk of damaging the unit.

**⚠ WARNING**

- ❗ **Ensure that the unit is mounted in an area that will eliminate exposure to fuel, water and vibration.**
  - As with any electronic components, proper precautions are urged to prolong the life and increase the performance of the SBS-01T.
- ❗ **To ensure that the SBS-01T is functioning as desired, please test accordingly.**
  - Do not fly until inspection is complete.
- ❗ **Allow a slight amount of slack in the SBS-01T cables and fasten them at a suitable location to prevent any damage from vibration during flight.**

