

# HSS-330 dynamic pressure Speed Sensor compatible to HoTT telemetry system

A speed indicator for all HoTT RC receiver with telemetry feedback to MC-xx, MX-xx radio controller or HF module with Smart Box. Measurement range up to 330 km/h. In connection with the voice output you have a high safety advantage. The pilot gets warned of an impending stall, caused of a low flight-speed.

## Firmware Version 1.0



## Use and Features:

- Easy initial operation (assemble pitostatic tube, plug in, switch on and read test result). No PC is necessary! Plug and Play!
- One-tube- system for easy installation
- Measurement range from **30 km/h to 330 km/h**
- Adjustable speed warning „Stall Speed“ in the sensor or HoTT RC
- Dynamic pressure measurement ( comparison to real airplanes)
- 20Mhz RISC CPU (fast converting of test results)
- Automatic nullification (sensor calibration)
- Small, light, also fits into small models
- English manual
- Dynamic and static pressure interpretation for speed measurement
- Supports the **HoTT Telemetry Bus since Version 4.0** with feedback of current speed and Top-speed (drag indicator)

Following receivers with sensor data are supported:

**GR-32 Dual**

**GR-24**

**GR-16**

**GR-12**

### Handling

By switching on the RC System the nullification occurs automatically and the sensor is ready for operation. Now you can fly. The current speed value gets displayed in the „Telemetry Graphic-Mode“ inside the RC display (see picture).



We recommend the handling with the optional Smart-Box. Thereby separate Display-Status indications are possible (see picture). The application of voice output is also extremely reasonably.



## Specifications and Limits

<b>HSS-330 Speed Sensor Specifications</b>	
Input voltage max.	4,6-9Volt
Measurement range	30-330Km/h
Error of measurement	+ - 5Km/h
Measurement procedure	Back pressure, static and dynamic
Stall-Speed threshold memory	Yes
Stall-Speed Setup	Manuel & RC
Optical signalization	HoTT Bus Activity
Sensor Bus „Loop“	Yes
Measurement B x L x T in mm	31 x 41 x 20
Weight HSS Sensor without Pito and tube	18gr.

**Scope of delivery:** Pitostatic tube, silicon tube about 50 cm and Sensor Electronic

All our products are conformable with ROHS.

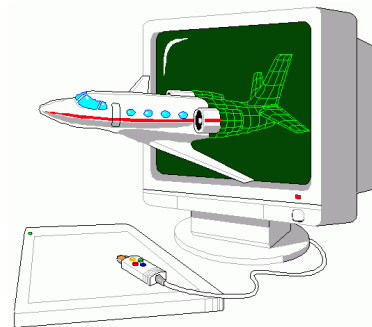
WEEE-Reg. Nr. DE 49765279

CB Electronics

Egerländerstr.6

D-61137 Schöneck

Telephone and Fax: 06187/959085



**„HoTT“ is a Trade-Mark of Graupner. We like to thank Graupner for the license of HoTT protocol documentation Version 4.0.**

**© Copyright CB Electronics 2012**