RC TEK

Sensor for total energy compensated vario

Manual version: 1.0

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Introduction

When R/C plane is moving through the air, different pressure changes happen. Pilot wishes to know what is happening with air mass when cycling and not, if plane is climbing or sinking, due to elevator control change.

The RC Tek sensor combined with TEK probe will detect changes in pressure due to difference of air mass.

The RC Tek uses very high sensitive pressure sensor to detect smallest differences in the pressure and converts it into climbing/sinking ratio (vario).

Specifications

Board Dimensions	28 mm, fi 6 mm
Weight	5 grams
Temperature Range[1]	-10°C ~ +60°C
Input Voltage Range	3.3 volts DC
Input Current	5 milliamps

[1] Specifications are taken from component ratings and system limits and may not have been tested to the full extent of the specified ranges.

Physical overview

Figure 1 shows the RC Tek module. On one side, silicon tube is connected from the TEK probe. On the other side, there is a 10 pin connector, which must be connected to the RC Multi 2 or RC Bus.

Figure 1: The RC Tek module.

Revision history

January 2012	Initial release of owner manual.