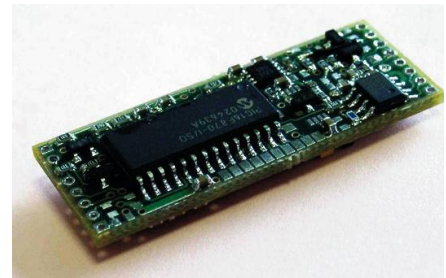




ADC BOARD OE141-D02

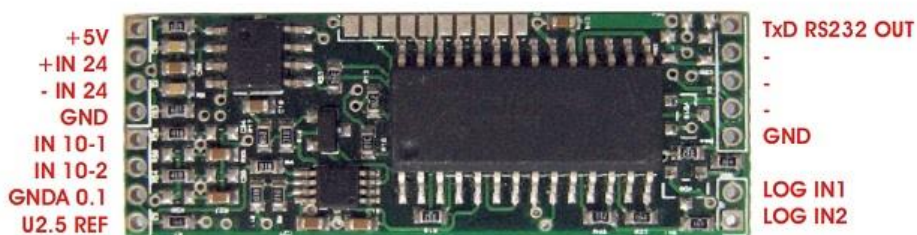
Info Notes¹



FIZOPTIKA fiber optic gyroscope measures rotation using precise optical signal filtering and synchronous detection at 80kHz modulation frequency. In the digital version the analog output is digitized by the ADC board OE141-D02. The board powering (+5 V, 35 mA) and input voltage ($\pm 2V$) are compatible with the gyro processing board [OE141-55](#). The OE141-D02 board integrates main 24-bit ADC and several 10-bit converters to collect extra data such as temperature, supply voltage, etc. The digital data are sent via an RS232 (RS422) serial interface. The OE141-D02 board start-up period is 1 sec after power-on, whereas the analog processing board is ready within 0.02 sec.

The OE141-D02 board is designed as a 4-layer PCB sized 43 mm x 16 mm. It is fabricated in conventional SMT technique and uses active and passive industrial-grade components.

The board terminals assignment is shown in the picture below.



For information regarding Fizoptika digital gyroscopes, refer to [Digital Output Info Notes](#).

¹ The information contained in this document is believed to be correct, but Fizoptika accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.