# Inline TTL Digitizer
# ELINL

The Inline TTL Digitizer (Inline-DSA) is the compact version of the ROTEC Differential Sensor Adapter (DSA) and is particularly suitable for mobile use.

The electronics converts the sinusoidal signals of the ROTEC magnetic sensor into a pulse sequence with TTL level, which is processed by the RASdelta Speed Board.
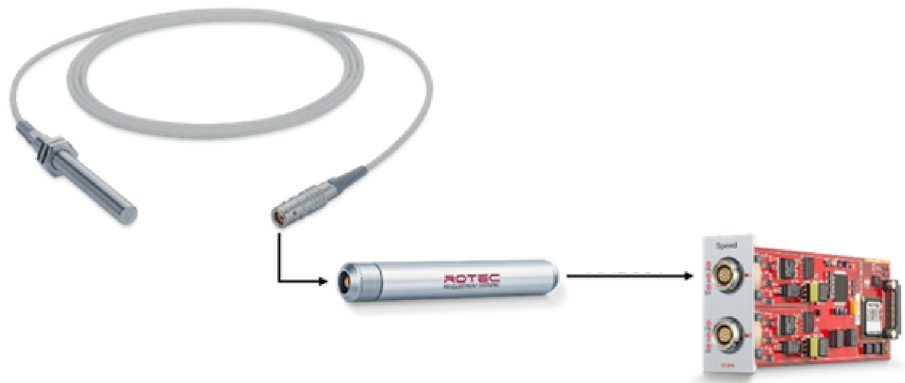


## Features

- Converts sinusoidal signals into a pulse sequence with TTL level
- Supplies sensor with power
- Power supplied by RASdelta Speed Board

## Measurement Chain

- ROTEC Speed Sensor
- Inline TTL Digitizer
- RASdelta Speed Board
- RAS Software

| Technical Data | |
|---|---|
| Input socket | 4-pin Lemo |
| Input signal typ | Sinus |
| Input signal range | 5 mV to 1 Vpp, nominal |
| Input overvoltage protection | +/- 50 V |
| Input (tooth) frequency range | 0,1 Hz to 20 kHz |
| Output socket speed signal | 8-pin Lemo |
| Output signal type | TTL |
| Output signal width | 0,5 devided by input frequency |