Encoder Phase Shifter
ELEPS

The Encoder Phase Shifter delays the reference signal output by the adaption electronics by an adjustable number with respect to the speed pulses output on the sensor line. The speed pulses themselves and the bit for direction detection are looped through the phase shifter unchanged. Only the original reference marker is removed and replaced by a synthetic reference mark, which can be tapped at a separate "Ref." socket and used as a start trigger for the measurements.
The phase shifter supports the adaptation electronics Rotary Encoder Adapter and Inline DGADP (incremental encoder adapter) TTL / HTL.


Features

- Delays the original reference signal by an adjustable number of speed pulses
- Provides synthetic reference pulse at a separate output socket
- Supplies Rotary Encoder Adapter and sensor with power
- Power supplied by RASdelta speed board

Measurement Chain

- Incremental encoder
- Rotary Encoder Adapter or Inline DGDAP TTL / HTL
- RASdelta Speed Board
- RAS Software
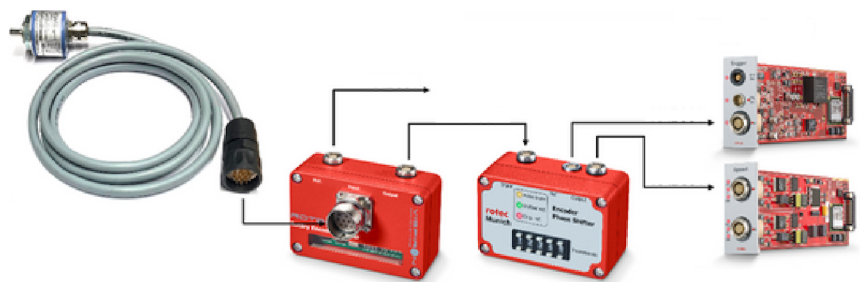
Technical Data	
Input socket	8-pin Lemo
Input signal types	• TTL speed signal • TTL reference signal
Input (tooth) frequency range	0 Hz to 14 MHz
Output connector speed signal	8-pin Lemo
Output signal type	TTL
Output pulse width	= input pulse width
Output connector reference signal	8-pin Lemo
Output signal type	TTL
Output pulse width	1 devided by input frequency