

RASdelta SPEED BOARD

RASdeltaSPD

With the RASdelta speed board, you record precise, multi-channel and digital speed measurement data for all transmission, control and auxiliary drive tests. It is the basis for torsional vibration analysis. The data is acquired via magnetic, angular equidistant scanning of a gear wheel, optical scanning of a stripe pattern or via incremental encoder.



TECHNICAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Input channels | 2, galvanically isolated |
| Resolution | 12,3 GHz |
| Connector | 8-pin Lemo |
| Maximum (output) pulse frequency | <ul style="list-style-type: none"> - 1 MHz per channel with two-channel operation - 2 MHz with one-channel operation |
| Maximum input frequency | 20 MHz |
| Further functions | <ul style="list-style-type: none"> - Internal pulse divider (optional / required, if > 2 MHz) - Variable trigger levels from 0,3 to 4,5 volt - Trigger on falling, rising or both edges - Power supply for external electronics: <ul style="list-style-type: none"> - + 5 volt and + 12 volt - 5 watt per channel - Short circuit protected |
| Overvoltage protection | +/- 80V |
| Measurement modes | Speed, frequency, duty cycle or on/off-ratio |