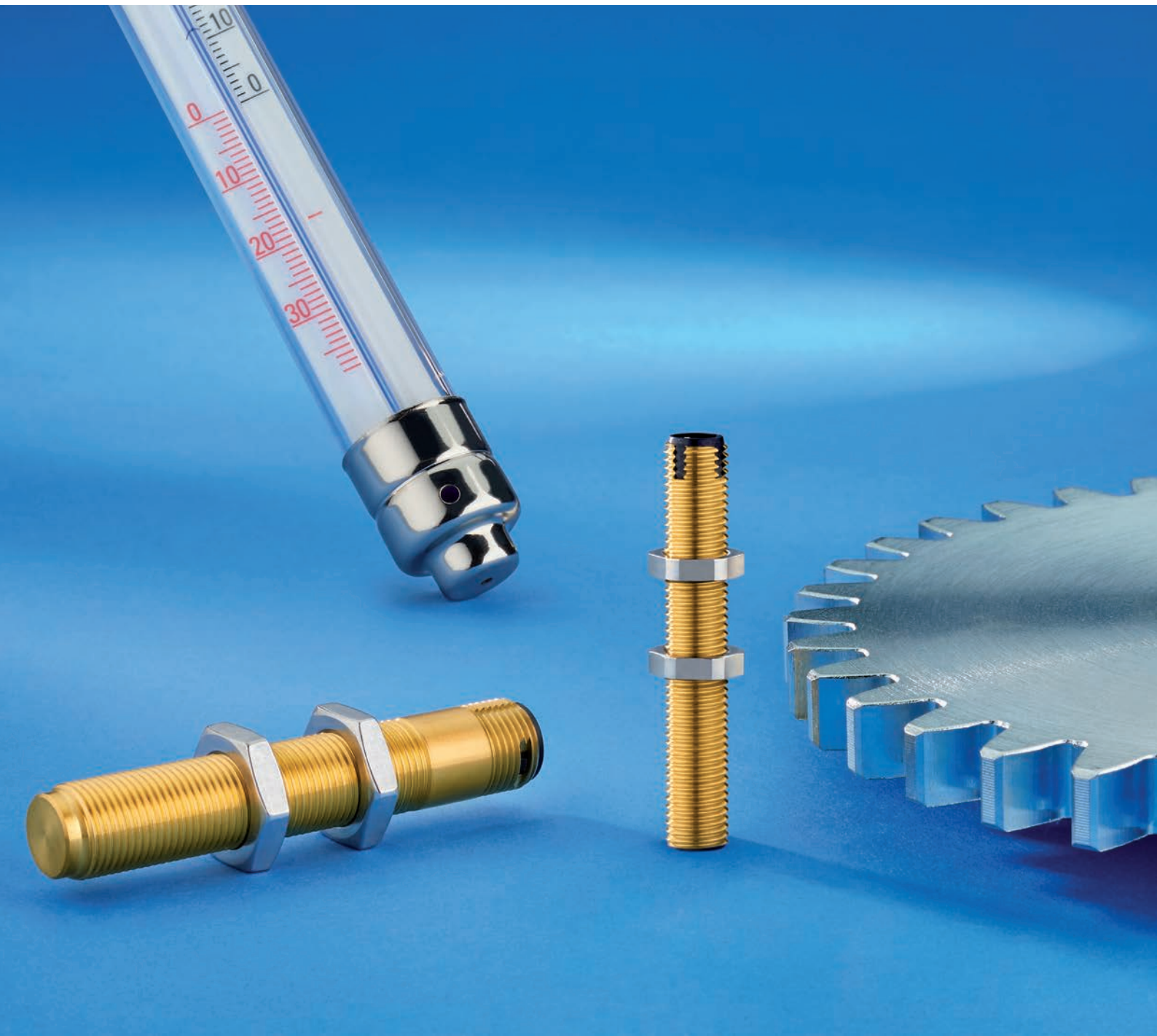

Safe measurement, indication and control of rotational speed



Rotational speed sensors with integrated temperature sensor





Features

- ◆ Temperature detection
- ◆ No alignment required
- ◆ Wide temperature range
- ◆ Wide frequency range
- ◆ Output signal push-pull

General informations

The latest generation of RHEINTACHO speed sensors now also offers temperature detection as a third measuring unit in addition to rotational speed and direction detection, united in one sensor.

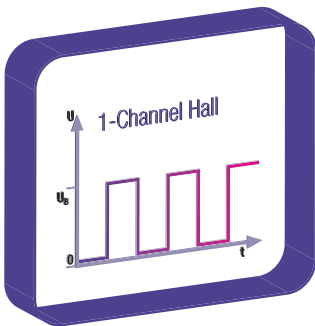
The advantages are obvious:

- ◆ Material costs: one complete sensor with its own electronics, own housing and connection interface are saved.
- ◆ Installation effort: complete elimination of one installation process.
- ◆ Design simplification: Saving an additional sensor access including all possible side effects like improving design freedom and reducing leakage opportunity.

Technical data

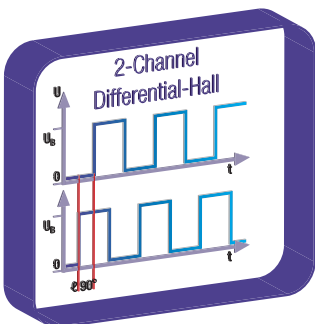
1-Channel Hall M8 series

Power supply	8 VDC ... 30 VDC
Frequency range	0 Hz ... 15 kHz
Output	Push-pull
Operation temperature, max.	-25 °C ... +125 °C / -13 °F ... +257 °F
Degree of protection	IP67 (at connected plug)
Housing	M8 x 50 mm
Plug	4-pin plug integrated in sensor housing, M8
Temperature signal	± 1.5 °C / ± 34.7 °F over the entire operating range NTC 4.7 kOhm, ±1 % @ R ₂₅ ; B _{25/85} -Value / B _{25/85} -Value: 3830 K Resistance value can be read out via Pin 2 and Pin 3.



2-Channel Differential-Hall M12 series

Power supply	7 VDC ... 32 VDC
Frequency range	0 Hz ... 20 kHz
Output	Push-pull
Operation temperature, max.	-40 °C ... +125 °C / -40 °F ... +257 °F
Degree of protection	IP67 (at connected plug)
Housing	M12 x 69,35 mm
Plug	5-pin plug integrated in sensor housing, M12
Temperature signal	NTC 4.7 kOhm, ±1 % @ R ₂₅ ; B _{25/85} -Value / B _{25/85} -Value: 3434 K Resistance value can be read out via Pin 3 and Pin 5.



Contact

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