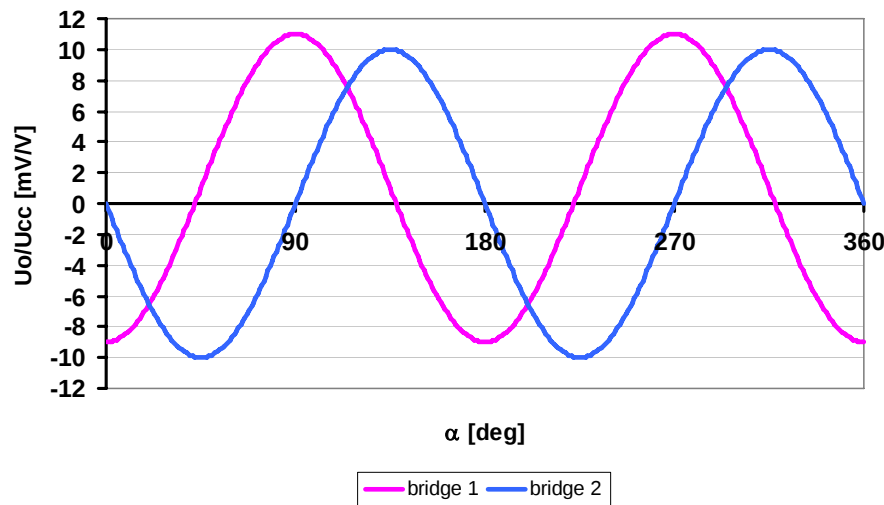
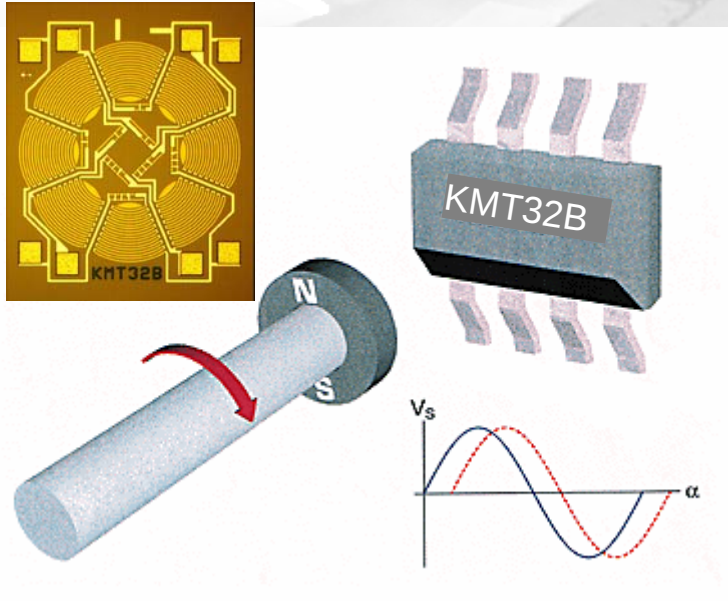




Rotation (180°):
The KMT32B

ROTATION (180°)

Product: *KMT32B*



Predecessor: KMT31

Application: Angle,
(Revolution)

Market: upcoming

Characteristics:

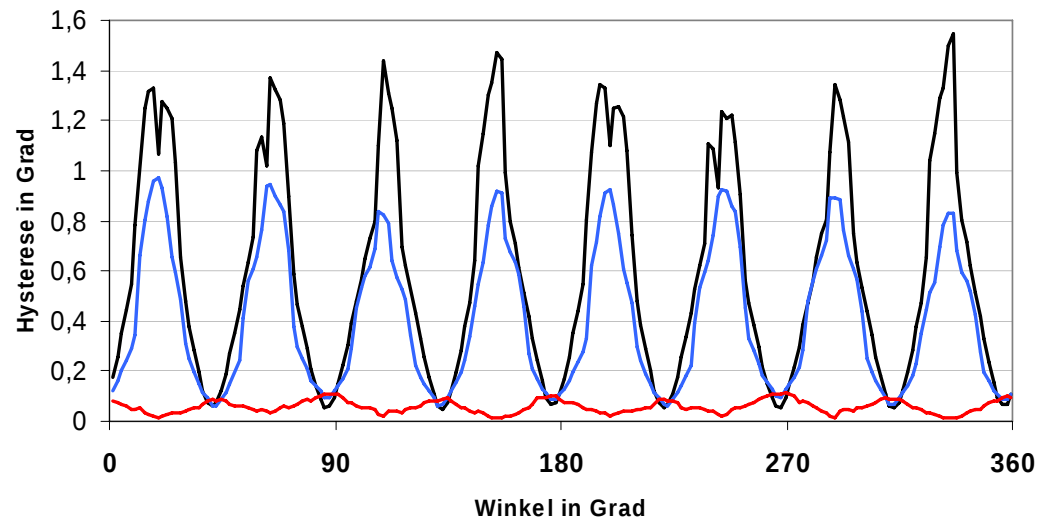
(+) improved angular error
 $\Delta\omega \approx 0.05^\circ$ @ $H=24$
kA/m

(+) improved hysteresis

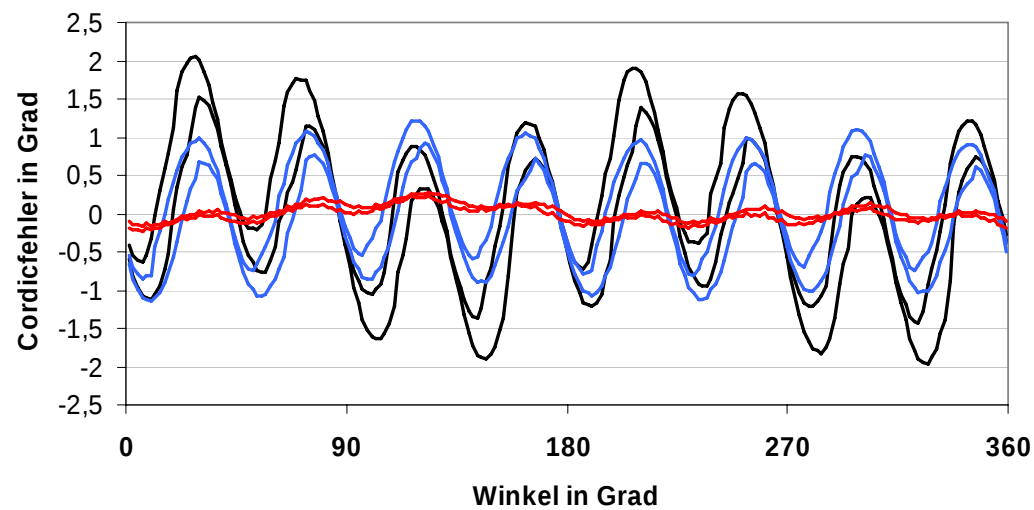
$\Delta\omega \approx 0.00005^\circ$ @ $H=24$
kA/m

ROTATION (180°): *KMT32B*

Hysteresis



Cordicfehler



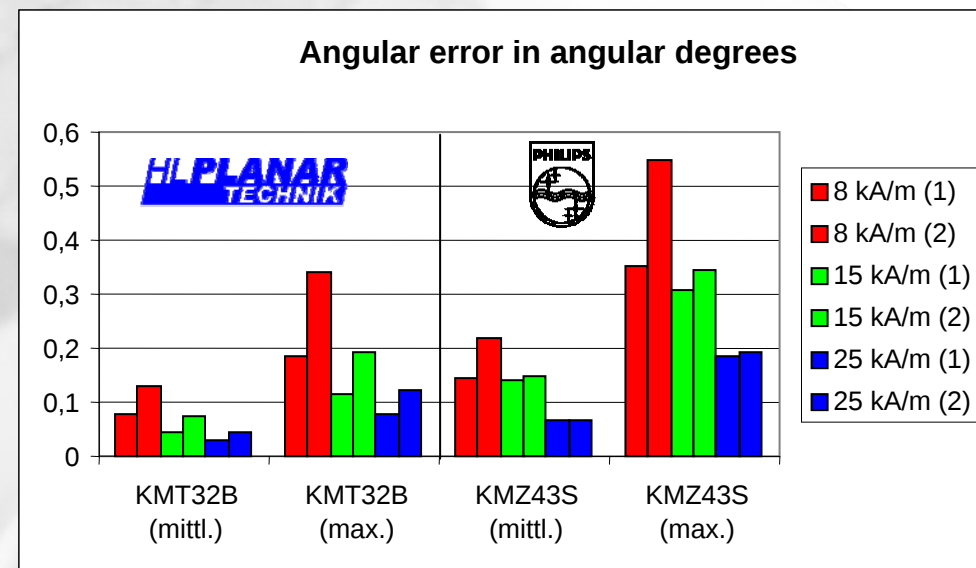
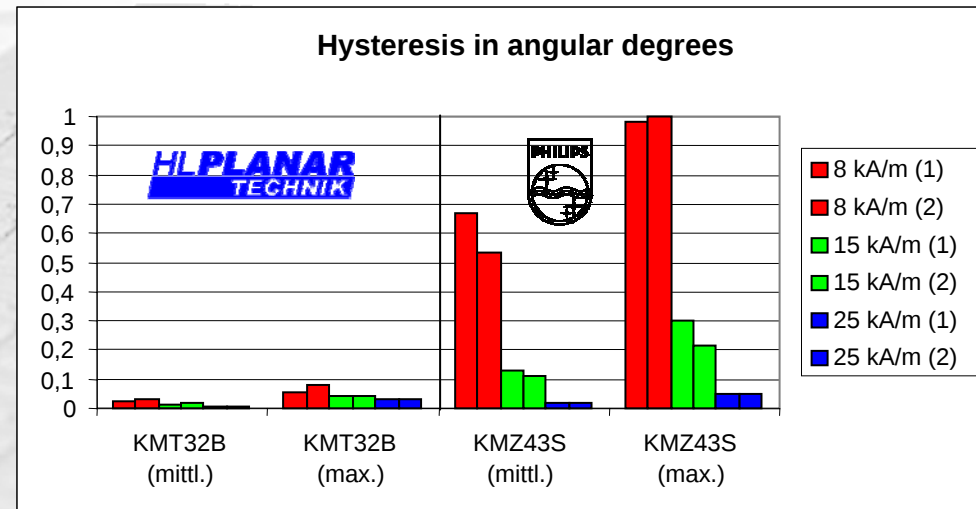
ROTATION (180°): *KMT32B* vs *KMZ43T* **HLPLANAR** TECHNIK

Competitive Analysis

At small fields, the
*KMT32B*s outmatches
the *KMZ43*,

At high fields, both
sensors are at least
perform equally

Add.: Offset-Trim



ROTATION (180°): *KMT32B vs KMZ43T*

Competitive Analysis



Parameter		HLP KMT32B	Philips KMZ43T
Hysteresis	°	0.0005	
	%Hub	0.13, max. 0.23	0.15, max. 0.18
synchro	%	0.23 ± 0.12	<0.5
Angular error	°	0.05	0.05
Travel	mV/V	20	27
Offset	mV/V	± 1	± 2
Offset-TK	mV/V/K	< 4	< 4

$H_0 = 25 \text{ kA/m}$, $T = \text{RT}$, Philips data sheet KMZ43T

- Quality certificate according to ISO/TS 16949 and ISO9001
- Various product lines
- Very well experienced in large volume production for automotive MEMS products
- Strong scientific competence from numerous research projects

contact www.hlplanar.com

