

# Vibration transducers

for precise and reliable measurements

## IDS-sensors

We offer a broad range of models for almost every application. Most of the transducers are equipped with an intergrated amplifier acc. to IEPE standard.

Before being delivered, each sensor goes through an artificial aging process in order to obtain a maximum long-term stability of parameters.

In the provided data sheet, the individual values for the relevant parameters are listed up:

Voltage or charge sensitivity, transverse sensitivity, capacity. The typical amplitude response of the transducer is delivered in order to determine the exact usable frequency range.

The measurements are carried out acc. to a certified system which is regularly presented to the Physikalisch-Technische Bundesanstalt (PTB).

## Delivery and accessories

Many transducers are available with a complete accessory kit including divers elements for mounting and connection packed in a transport box.


Of course the accessories can be purchased separately as well.


## More information


Data sheets and tips concerning application can be found on our homepage.


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KS56	Standard Accelerometer		
	B <sub>qa</sub>	18 ±20%	pC/g
	f <sub>r</sub>	29	kHz
	m	23	gr.
	T	-30..+250	°C
	SWxH	17 x 17	mm


KS57	Standard Accelerometer		
	B <sub>qa</sub>	18 ±20%	pC/g
	f <sub>r</sub>	29	kHz
	m	23	gr.
	T	-30..+250	°C
	SWxH	17 x 17	mm


KS76C.10	Standard Accelerometer		
	B <sub>ua</sub>	10 ±5%	mV/g
	f <sub>r</sub>	50	kHz
	m	20	gr.
	T	-20..+120	°C
	SWxH	17 x 17	mm


KS76C.100	Standard Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	32	kHz
	m	23	gr.
	T	-20..+120	°C
	SWxH	17 x 17	mm


KS77C.10	Standard Accelerometer		
	B <sub>ua</sub>	10 ±5%	mV/g
	f <sub>r</sub>	50	kHz
	m	20	gr.
	T	-20..+120	°C
	SWxH	17 x 17	mm

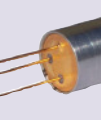
KS77C.100	Standard Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	32	kHz
	m	23	gr.
	T	-20..+120	°C
	SWxH	17 x 17	mm


KS78.10	Standard Accelerometer		
	B <sub>ua</sub>	10 ±20%	mV/g
	f <sub>r</sub>	44	kHz
	m	10.3	gr.
	T	-30..+120	°C
	SWxH	12 x 15.5	mm


KS78.100	Standard Accelerometer		
	B <sub>ua</sub>	100 ±20%	mV/g
	f <sub>r</sub>	42	kHz
	m	11.3	gr.
	T	-30..+120	°C
	SWxH	12 x 15.5	mm


KS901.10	OEM Accelerometer		
	B <sub>ua</sub>	10 ±20%	mV/g
	f <sub>r</sub>	65	kHz
	m	4.6	gr.
	T	-30..+120	°C
	ØxH	10 x 11.7	mm


KS901.100	OEM Accelerometer		
	B <sub>ua</sub>	100 ±20%	mV/g
	f <sub>r</sub>	45	kHz
	m	5.6	gr.
	T	-30..+120	°C
	ØxH	10 x 11.7	mm


KS90	OEM Accelerometer		
	B <sub>qa</sub>	10 ±20%	pC/g
	f <sub>r</sub>	44	kHz
	m	5.1	gr.
	T	-30..+150	°C
	ØxH	10 x 11	mm


iQD62.005 / .1	Shock Accelerometer		
	B <sub>ua</sub>	0.05 / 1	mV/g
	f <sub>r</sub>	130	kHz
	m	6	gr.
	T	-50..+120	°C
	SWxH	10 x 21.3	mm


KB12VD	Seismic Accelerometer		
	B <sub>ua</sub>	10 000 ±5%	mV/g
	f <sub>r</sub>	0.35	kHz
	m	150	gr.
	T	-20..+80	°C
	ØxH	48 x 37	mm

KS48C	Seismic Accelerometer		
	B <sub>ua</sub>	1000 ±5%	mV/g
	f <sub>r</sub>	7	kHz
	m	165	gr.
	T	-20..+120	°C
	ØxH	32 x 36	mm

KS94B.10	Miniatur Accelerometer		
	B <sub>ua</sub>	10 ±5%	mV/g
	f <sub>r</sub>	75	kHz
	m	2.4	gr.
	T	-20..+120	°C
	ØxH	11 x 10.5	mm


KS94B.100	Miniature Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	42	kHz
	m	3.2	gr.
	T	-20..+120	°C
	ØxH	11 x 10.5	mm


KS95B.10	Miniature Accelerometer		
	B <sub>ua</sub>	10 ±5%	mV/g
	f <sub>r</sub>	75	kHz
	m	2.4	gr.
	T	-20..+120	°C
	ØxH	10.6 x 9.5	mm


KS95B.100	Miniature Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	42	kHz
	m	3.2	gr.
	T	-20..+120	°C
	ØxH	10.6 x 9.5	mm


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KS91	Miniature Accelerometer		
	B <sub>ua</sub>	10 ±20%	mV/g
	f <sub>r</sub>	50	kHz
	m	1.0	gr.
	T	-20..+120	°C
	ØxH	7.8 x 7.3	mm


KS93	Miniature Accelerometer		
	B <sub>qa</sub>	5 ±20%	pC/g
	f <sub>r</sub>	42	kHz
	m	2.7	gr.
	T	-20..+150	°C
	ØxH	10.6 x 7.5	mm


KS813B	Triaxial Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	15	kHz
	m	115	gr.
	T	-20..+90	°C
	SWxH	29 x 31.6	mm


KS823B	Triaxial Accelerometer		
	B <sub>ua</sub>	500 ±5%	mV/g
	f <sub>r</sub>	9	kHz
	m	365	gr.
	T	-30..+90	°C
	SWxH	54 x 57.5	mm


KS943B.100	Triaxial Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	32	kHz
	m	16	gr.
	T	-20..+120	°C
	BxLxH	20x22.5x11.2	mm


3023A9	Triaxial Accelerometer		
	B <sub>ua</sub>	1 ±10%	mV/g
	f <sub>r</sub>	30	kHz
	m	4	gr.
	T	-51..+121	°C
	BxLxH	9.1x9.1x12.3	mm


3023A1T	Triaxial Accelerometer		
	B <sub>ua</sub>	10 -10..15%	mV/g
	f <sub>r</sub>	40	kHz
	m	6.2	gr.
	T	-51..+121	°C
	BxLxH	11 x 11 x 9.3	mm


KB103SVD-100	Triaxial Seat Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	12	kHz
	m	310	gr.
	T	-20..+80	°C
	ØxH	200 x 12	mm


KS74C.10	Industrial Accelerometer		
	B <sub>ua</sub>	10 ±5%	mV/g
	f <sub>r</sub>	46	kHz
	m	28.5	gr.
	T	-20..+120	°C
	SWxH	16 x 24	mm


KS74C.100	Industrial Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	46	kHz
	m	32	gr.
	T	-20..+120	°C
	SWxH	16 x 24	mm


KS80D	Industrial Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	32	kHz
	m	65.5	gr.
	T	-20..+120	°C
	SWxH	22 x 34	mm


KS81B	Industrial Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	23	kHz
	m	102	gr.
	T	-20..+120	°C
	BxLxH	24 x 36 x 22	mm


AC905-1A	Industrial Accelerometer		
	B <sub>ua</sub>	100 ±10%	mV/g
	f <sub>r</sub>	23	kHz
	m	90	gr.
	T	-50..+121	°C
	SWxH	22 x 36	mm

AC906-1A	Industrial Accelerometer		
	B <sub>ua</sub>	100 ±10%	mV/g
	f <sub>r</sub>	21	kHz
	m	150	gr.
	T	-50..+121	°C
	BxLxH	25 x 35 x 28	mm

KSI80VC-20/-40	Industrial (4..20 mA)		
	Range	0.2..25/0.4..50	mm/s
	f	1.5..1000	Hz
	m	66	gr.
	T	-40..85	°C
	SWxH	22 x 34	mm

KSI82VB-20/-40	Industrial (4..20 mA)		
	Range	0.2..25/0.4..50	mm/s
	f	10..1000	Hz
	m	66	gr.
	T	-40..85	°C
	SWxH	22 x 34	mm

KST94C-4N	Probe Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	6	kHz
	m	120	gr.
	T	0 .. 80	°C
	ØxL	25 x 60	mm

KST94C-9N	Probe Accelerometer		
	B <sub>ua</sub>	100 ±5%	mV/g
	f <sub>r</sub>	7.8	kHz
	m	120	gr.
	T	0 .. 80	°C
	ØxL	25 x 60	mm

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Specifications subject to change without prior notice.