



Intelligent structure-borne sound sensor with effective value and peak value regulation

Technical data

Frequency range	structure-borne sound signals between 30 Hz and 12.5 kHz
Sensitivity	0.5 g to 500 g (KS/N/K) or 0.05 g to 50 g (KS/E/K)
Signal processing	powerful integrated real time signal processing and evaluation via digital signal processor
Noise suppression	suppression through pre-calculated bandwidth filters
Sensor configuration	configuration and parameterisation via integrated button operation or via PC program
Supply	10...30 V DC
Input	1 synchronisation input
Output	1 potential-free switched output
Protection level	IP67
Temperature range	-15 °C to +50 °C
Measurements	robust, compact housing M18 x 130 mm

Areas of application

Preferably acoustic noise/function testing, monitoring of machines and plants as well as assembly and process monitoring

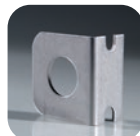
Ordering details

USS5-KS/N/K	sound sensor dsound® USS5, structure-borne, with transducer Type N (0.5 g - 500 g)
USS5-KS/E/K	sound sensor dsound® USS5, structure-borne, with transducer Type E (0.05 g - 50 g)
USS5-KS/N/K-E	sound sensor dsound® USS5, structure-borne, with transducer Type N (0.5 g - 500 g), stainless steel version

Accessories



USS-W18S12



USS-W18



USS-MA



USS-HM



USS5-K-2/S
USS5-K-5/S
USS5-K-10/S



USS5-K-2/A
USS5-K-5/A
USS5-K-10/A



USS-NT



USS5-Con-Box
USB

USS-W18S12	Fixing system, swivelling (alloy steel, for mounting on Ø 12 mm round section)	mounting	
USS-W18	Fixing system, rigid (alloy steel)		
USS-MA	Fitting adapter for structure-borne transducer		
USS-HM	Magnetic clamp for structure-borne transducer	required	
USS5-K-2/S (2 m)	Connecting lead 8 core, shielded, Socket M9 x 0.5 / plug M9 x 0.5		
USS5-K-5/S (5 m)			
USS5-K-10/S (10m)			
USS5-K-2/A (2 m)	Connecting lead 8 core, shielded, Socket M9 x 0.5 / individual cores with end sleeves		connection technology
USS5-K-5/A (5 m)			
USS5-K-10/A (10 m)			
USS5-Con-Box USB	Connection box for sound sensor dsound® USS5 (in combination with USS5-K-2/S or USS5-K-5/S)	required	
USS-NT	Optional power supply unit for power supply		
USS5-Control	Operating and parameterisation software USS5 Control for sound sensor dsound® USS5, full version	required	software