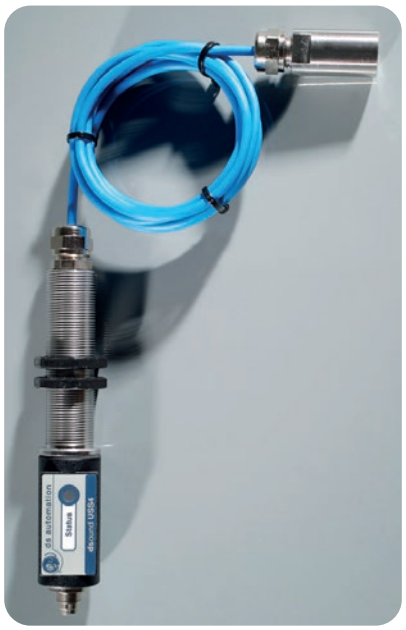
ds Schallsensorik

Structure-borne sound sensor dsound® USS4-KS



Intelligent frequency-accurate structure-borne sound sensor with an internally developed real-time capable algorithm for signal processing

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 freely selectable bandwidth filters
Sensor configuration	configuration and data recording via PC program
Supply	10...30 V DC
Input	1 synchronisation input
Outputs	2 digital outputs, switching behaviour selectable via internal software PLC
Protection level	IP67
Temperature range	-15 °C to +70 °C
Measurements	robust, compact housing M18 x 130 mm

Areas of application

Quality inspection of parts and products, acoustic material and geometry testing, sound signal recordings

Ordering details

USS4-KS/N/K	sound sensor dsound® USS4, structure-borne, with transducer Type N (0.5 g - 500 g)
USS4-KS/E/K	sound sensor dsound® USS4, structure-borne, with transducer Type E (0.05 g - 50 g)

USS-W18S12

USS-W18

USS-MA

USS-HM

USS-NT

USS4-K-2/S
USS4-K-4/S

USS4-Con-Box

Accessories

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	
USS4-K-2/S (2 m) USS4-K-4/S (4 m)	Connecting lead 8-core, shielded, socket M9 x 0.5 / plug M9 x 0.5	required, connection technology
USS4-Con-Box	Connection box for sound sensor dsound® USS4 (in combination with USS4-K-2/S or USS4-K-4/S)	
USS-NT	Optional power supply unit for power supply	
USS4-CLN-V	Operating and parameterisation software USSClient for sound sensor dsound® USS4, full version	required, software

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