

MPA426 is a low-cost surface microphone for aerodynamic noise measurements. It is widely used in ground vehicle and aerospace to investigate the wind induced noise. It can be easily mounted on surfaces using double sided adhesive tape.

The MPS426 has ICCP preamplifier and can be connected to any ICCP input channel. It has 5 m cable with SMB connector.

The MPS426 has a high sensitivity of 50mV/Pa and a flat frequency response between 20 Hz and 20 kHz.

The TEDS version of MPS426 is also available. It has a built-in TEDS chip written with such information as model, serial number, sensitivity, reference frequency, and etc.



MPP201 is a probe microphone with 1 mm diameter steel probe. It is suitable for measuring sound pressure in the tiny space or the extreme environmental conditions. The MPP201 is supplied with four probe lengths. For each probe length, the calibration chart is provided.



SPECIFICATIONS

Surface Microphone & Probe Microphone		
Model	Surface Microphone MPS426	Probe Microphone MPP201
Front Microphone	--	MP201
Optimized	Free Field	Free Field
Open-circuit Sensitivity	-26 dB ± 2 dB	-26 dB ± 2 dB
Inherent Noise	29 dBA	< 16 dBA
Dynamic Range	127 dB	> 134 dB
Frequency Response	20 Hz ~ 20k Hz	20 Hz ~ 20k Hz
Power Supply	ICCP	ICCP
Operating Temperature	-10 ~ 50	< 300
Diameter	60 mm	1/2"
Thickness	7.5 mm	--
The length of cable	5 m	--
Calibration level	113.8 dB with CA 111 and adaptor	--
Front probe	--	Φ1x20 mm, 40 mm, 80 mm, 160 mm
Connector	SMB	BNC

TEDS stands for the Transducer Electronic Data Sheet as defined in IEEE 1451.4 standard.

BSWA TEDS Reader and Writer TR100 are designed especially for TEDS Microphones that meet IEEE 1451.4 standard. TR100 can read, write and rewrite the information in the TEDS microphones.

TR100 Features

- Compatible with IEEE1451.4 standard
- Support Template 27 (Microphones with built-in preamplifier)
- USB connector
- Identify TEDS chips automatically.

TR100 can read and write the following electronic data

- Manufacturer ID
- Product Type #, Serial #, and Version #
- Sensitivity (mV/Pa)
- Reference Frequency (Hz)
- Polarization Type (Prepolarization or 28V/200V)
- Microphone Type (Free-field, Pressure-field, Diffuse-field, and others)
- Microphone Diameter (1", 1/2", 1/4", 1/8")
- Equivalent Air Volume
- Polarity
- Calibration Information (Calibration date and period of validity)

BSWA TEDS Microphones are with the combination of BSWA ICCP microphones and TEDS preamplifiers. TEDS microphones help to facilitate plug and play and shorten system's setup time.

