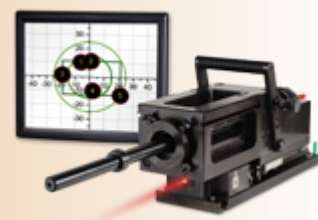


Series 400 muzzle blast sensor



- **Testing the rate of fire for fully automatic weapons**
- **Stop signal for gas pressure measurements or barrel pass through time (t_4 -time)**
- **Start impulse for projectile time of flight measurement, short-term photography or high-speed video**
- **Start impulse for detonator runtime measurement**
- **Control of ammunition consumption on firing ranges**

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DRELO
Ballistics

Series 400 muzzle blast sensor



The 403 muzzle blast sensor is mainly used for measuring the rate of fire of fully automatic weapons.

It can also be used for triggering the start impulse for short-term photography or triggering the stop impulse for gas pressure measurements.

The trigger threshold is adjusted on the back.

This device is used together with the IMS 8500.

The 404 muzzle blast sensor is used for measuring the rate of fire of fully automatic weapons.

It has an integrated micro-controller for data evaluation.

Data is made available to a serial interface.

This device can be connected directly to a PC using our 4044 Power Interface.

Processing of results is performed by software.

The trigger threshold is adjusted via the software.

The modular software supports several measuring channels.

Various measuring methods such as gas pressure measurement, velocity measurement, rate of fire measurement or intangible target systems can be combined for this purpose.

Technical data

Model

	MBS 403	MBS 404
Functional principle	Acoustic	
Parameters		
Minimum rate	as desired	60 rounds / min.
Maximum rate	10000 rounds / min.	
Electrical		
Operating voltage	+12 V	+12 V to +30 V
Power consumption	approx. 45 mA	approx. 120 mA
Output impulse	+10 V to +12 V	
Rise time	> 50 V/μs	
Environmental conditions		
Working temperature	-10 °C to +60 °C	
Storage temperature	-20 °C to +75 °C	
Air humidity	≤ 80%, non-condensing	
Dimensions, overall		
Length	180 mm	220 mm
Width	80 mm	105 mm
Height	50 mm	45 mm
Weight	approx. 0.8 kg	approx. 1.2 kg
for use with		
8500 Intelligent measuring system	•	-
4044 Power Interface	-	•

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Due to continued development, all technical specifications are subject to change