

SUMMARIES
REZIMEA

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**DETERMINATION OF CHARACTERISTIC PARAMETERS AND CONDITIONS
OF SOUND INTENSITY MEASUREMENT**

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The beginning of development of sound intensity dates from times out of mind, and over a long period of time its development has been permanently improving . Application of today's level of sound intensity measurement provides: determination of sound power of a source and of the loss of sound energy in passing through a partition-wall, measurement of the absorption of sound energy, determination of the contribution of individual parts of a source to the total emission of sound energy, measurement of sound energy in fluid flow, etc. For experimental determination of sound power of an acoustic source by applying this method, it is necessary to meet certain measurement requests defined through the so-called "indicators". Interrelation between the specific indicators and its keeping within the prescribed limits influence the degree of accuracy, measurement and obtained results.

This work deals with the algorithm of interrelations between the indicators for measurement og the level of sound power of a course.

Key words: sound object, sound intensity, sound power, indicator, algorithm

**DEFINISANJE KARAKTERISTIČNIH PARAMETERA U USLOVIMA
MERENJA ZVUČNOG INTENZITETA**

Početak razvoja zvučnog intenziteta datira od davnih vremena, čiji se razvoj kroz dug vremenski period permanentno usavršavao. Primena današnjeg nivoa metode merenja zvučnog intenziteta omogućavač određivanje zvučne energije, određivanje doprinosa pojedinih delova izvora u ukupnoj emisiji zvučne energije, merenje zvučne energije u struju fluida i dr. Da bi se eksperimentalno odredila zvučna snaga nekog zvučnog izvora primenom ove metode potrebno je ispuniti određene zahteve merenja koji su definisani preko tzv. »indikatora«. Međutim odnos određenih indikatora i njihovo održavanje u propisanim granicama utiče na stepen tačnosti merenja odnosno dobivene rezultate.

U ovom radu razmatran je algoritam međusobnih odnosa indikatora za merenje nivoa zvučne snage jednog izvora.

Ključne reči: zvučni objekat, zvučni intenzitet, zvučna snaga, indikator, algoritam.