



## Sol-Gel Composite Transducers: A Weight Percent Study

By Sinding, Kyle / Tittmann, Bernhard

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Applications for non-destructive evaluation (NDE) and structural health monitoring (SHM) in principle can be performed at various temperatures provided the transducer can reliably operate under those conditions. This work presents a weight percent study of PZT-Bismuth Titanate composite transducers fabricated through a sol-gel spray-on method to show how different compositions can be used under different monitoring conditions. The two main sections to this work are the theoretical modeling of a composite transducer and the experimental results which validate the theoretical modeling in a given set of conditions. | Format: Paperback | Language/Sprache: english | 92 pp.



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