

1. Record Nr.	UNINA9910879792403321
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Titolo	Nutzung der keramischen Gluhkerze als Sensorelement // Ismet Demirdelen
Pubbl/distr/stampa	Karlsruhe : , : KIT Scientific Publishing, , 2024
Descrizione fisica	1 online resource
Collana	Forschungsberichte aus der industriellen Informationstechnik; ; 29
Disciplina	620.14
Soggetti	Detectors - Design and construction Interface circuits Ceramics
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This work presents methods for using the ceramic glow plug as a sensor element. This means that the ceramic glow plug will not only perform its conventional task as a heating element but will also provide information, such as motor speed, from the combustion chamber as a sensor. The main focus will be on the change in resistance, particularly under the influence of a temperature change, in the immediate vicinity of the ceramic glow plug.