

UMFEC-KMG5

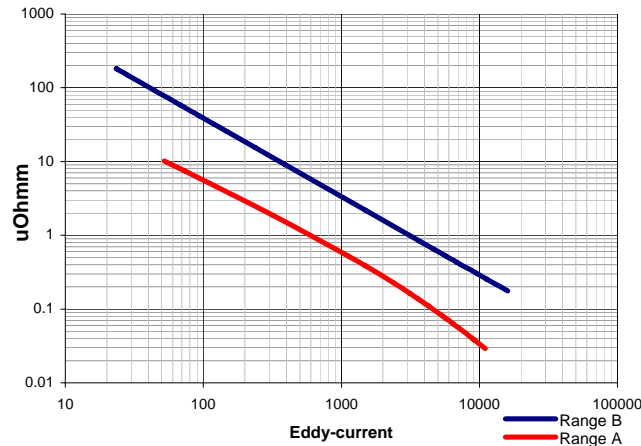
Multifrequency Eddycurrent System for
Measurement of Resistivity/Conductance of carbon
Brushes etc.



UMFEC- KMG5

Introduction

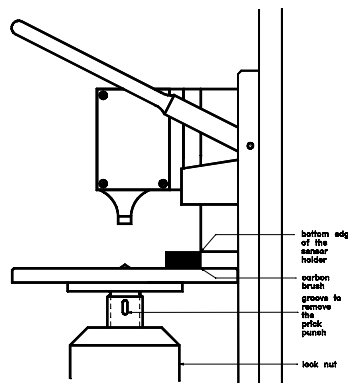
Measuring- and testing applications with eddy current inspection are becoming more diverse and demanding recently. The new fully digitized measuring hardware platform UMFEC (Universal Multifrequency Eddy Current) of Innotest AG is based on the latest discoveries and meets the current and future requirements in various testing and measuring applications. The new KMG5 was developed in collaboration with **Robert Bosch GmbH Germany** following the specific Bosch procedure for measurements of carbon brush resistivity.



Resistivity versus Eddy-current

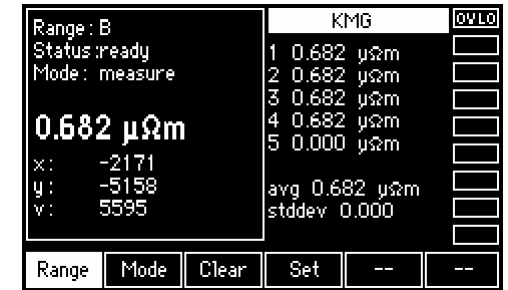
The main properties of the UMFEC-Compact-Series devices DEC-100 DTH with LCD display/touchscreen are:

- Clear graphic enhanced 4.2" display with integrated touchscreen
- Compact half 19" housing
- Optional screen dump / link to PC over ethernet (10/100 Mbit/s)
- readings in **absolute values** or **relative deviation**



measuring table

To measure the specific resistance or conductivity of different sized carbon brushes at high precision a special mechanical setup, the KMG5 measuring table, is part of the UMFEC-KMG5 deliveries. With this setup accuracy and reproducibility of the measurement readings are optimal.



Interactive touchscreen KMG5

The KMG5 is completely controlled over the 4.2" display with integrated touch screen. Selected (active) menus, submenus and parameters are highlighted (light on a dark background).

The UMFEC-KMG5 can communicate by an ethernet link (10/100 Mbit/s) using a driver DLL within WINDOWS 2K/XP/Vista applications. Therefore flexible and powerful software and software interfaces to production documentation tools can be delivered on customer specification and demand.

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