

Data analysis and remote maintenance from any place in the world

The latest development of CPK Automotive GmbH & Co. KG from Muenster/Germany, RemCo II[®], supplements the established DYNTEST – family and allows data analysis and remote access to the DYNTEST -ControlBox from any place in the world. The RemCo II[®] module is very cost effective and can be easily integrated.

Besides the hardware module itself the smartphone application DYN@pp[®] is the core of the RemCo II[®] – system. DYN@pp[®] is available for the common operating systems IOS and Android. The hardware communication between the RemCo II[®] module and the well-known DYNTEST -ControlBox is based on the established DYNTEST -bussystem. The compatibility to current and older DYNTEST - ControlBox versions was of the utmost importance during the development process.

The encrypted data is transferred via Bluetooth to the smartphone. DYN@pp[®] sends the data automatically to a server once the smartphone has access to the internet. The data can be accessed on a web portal by authorized users. That means, the data is available for analysis while the machine is still working underground. Possible abnormalities are discovered at an early stage and measures can be planned on time predictive diagnosis.

Additionally, to the data download RemCo II[®] allows remote access to the ControlBox and also to the RemCo II[®] - module itself. By using the CPK Terminal software the user logs in on the server via an internet connection. A list with all RemCo II[®] - systems that are ready for connection and the user is authorized for is shown. That means a smartphone with active DYN@pp[®] is connected with both, a RemCo II[®] – system and also the internet. After selecting one RemCo II[®] - Module the system provides the full functionality of the CPK Terminal software, e. g. change parameter settings, watch online data and even modify software remotely.

„The requirements for the RemCo II[®] - module were developed in numerous workshops with our customers. The technical realization enables our customers to fulfill their service contracts in an efficient and resource-saving manner. Consequently, RemCo II[®] is a tool that provides competitive advantages. The applications for RemCo II[®] are not limited to the exhaust aftertreatment market” said CEO Frank Noack.

The compact RemCo II[®] - module with the dimensions of appr. 60x60x30 mm is specified for ambient temperatures of -40...+85 °C

CPK Automotive GmbH & Co. KG

Gildenstr. 4c
D-48157 Münster/Germany
Telefon: +49 251 777969 - 0

Telefax: +49 251 777969 - 50

E-Mail: info@cpk-automotive.com

Internet: www.cpk-automotive.com

Press contact / Press relations:

Anna Rennekamp
Marketing Manager
Telefon: +49 251 777969-62
Telefax +49 251 777969-62
E-Mail: rennekamp@cpk-automotive.com

Internet:
www.cpk-automotive.com

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and supply voltages of 9...32 V DC. The module fulfills protection grade IP67. Further variants e. g. with integrated GPS data acquisition are under development.

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CPK Automotive, which belongs to the Heinzmann Group since October 1st 2013, has for many years specialized in the development of environmental solutions, chiefly in the field of automotive technology. Today, the main business is the development and production of systems for monitoring and controlling the after treatment of engine exhaust gases. CPK's business strategy is to concentrate on developing devices that can be retrofitted to diesel engines.