

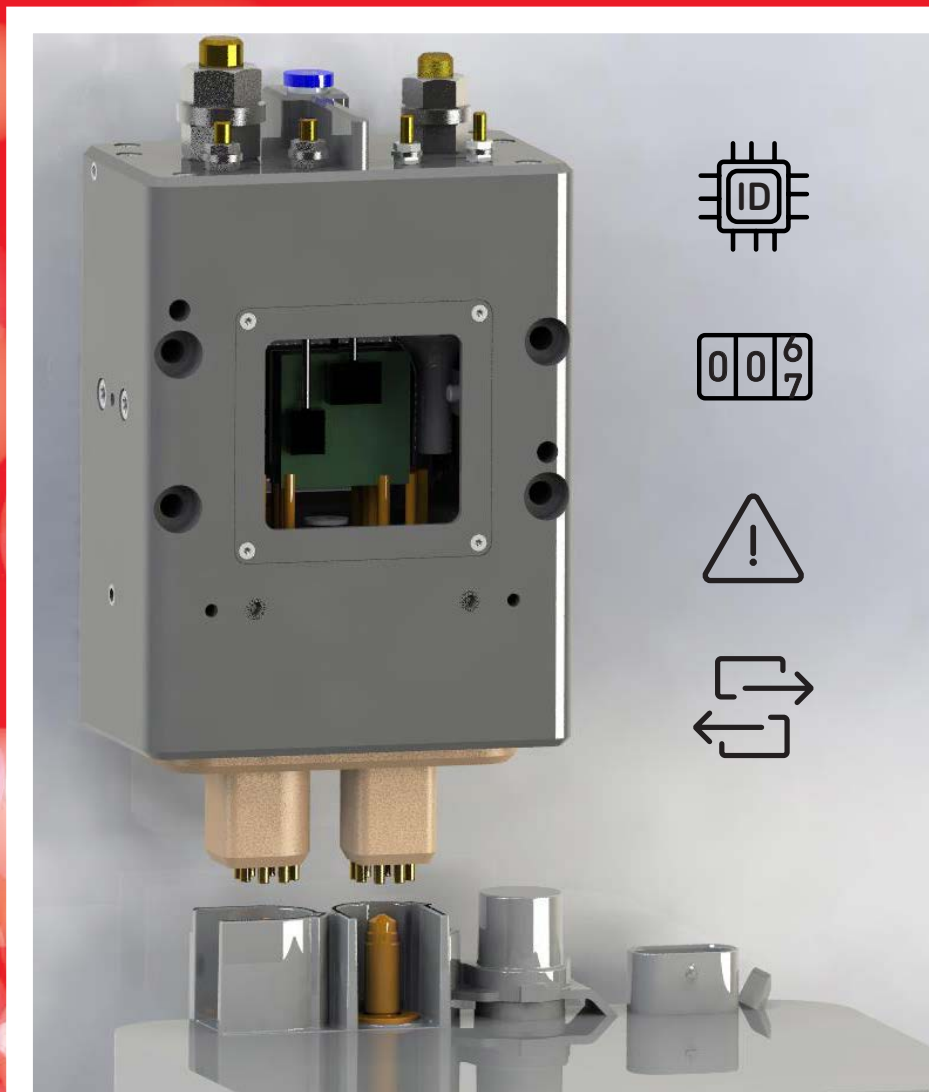
TEKON

Prüftechnik GmbH



TEKONect

Intelligent Adapter for Reliable
End-of-Line Testing







TEKONect

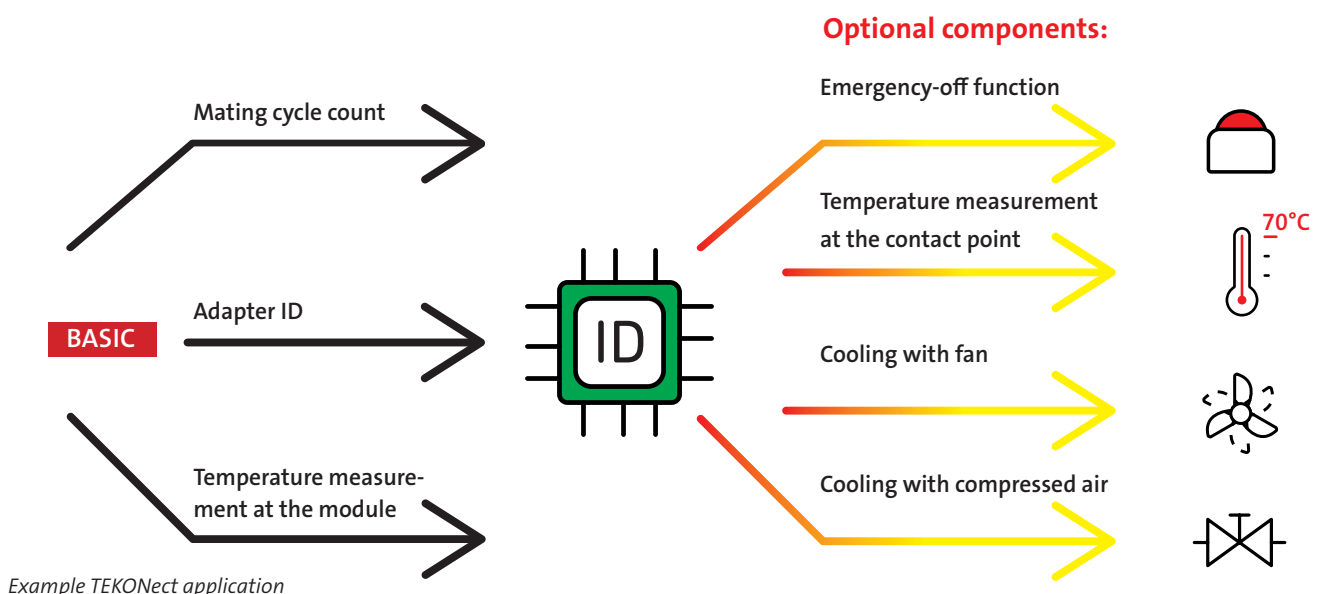
When manufacturing electronic components, End-of-Line tests need to be performed on large volumes of test specimens. This process places high demands on the testing equipment. What's more, the power electronics used in e-mobility applications feature high currents, which pose an additional challenge for the electrical contacts. In order to achieve a reliable test result, you therefore need a reliable adapter solution.

TEKONect, the intelligent information module, is built into the test adapter. TEKONect enables you to monitor the test in real time and take preventative steps to stop faults occurring in the places where they are likely to arise – the contact points. The TEKONect version and testing scope are tailored to the specific testing tasks to be performed in each case.

TEKONect BASIC




The BASIC version of TEKONect already provides a wealth of features, enabling you to actively monitor the test and call up the information you need. This makes the process more reliable and facilitates an integrated 'Predictive Maintenance' plan.

 Adapter ID	<p>The adapter ID provides transparency in terms of the item and manufacturing information, process data, and maintenance information (mating cycles).</p>
 Mating cycle count	<p>The specific mating cycles for the test adapter in question are counted, meaning you can keep a precise eye on the maintenance intervals.</p>
 Monitoring of the thresholds for the current and acceleration	<p>If the thresholds are exceeded, a notification is sent to the system, meaning the employee has to actively respond. TEKON determines the basic setpoint thresholds.</p>
 Communication with PLC	<p>As the data is communicated at PLC level, the customer is able to create their own Health Score evaluations. They can even do this in existing maintenance programs. What's more, it is also possible to communicate with the test adapter when programming the overall system.</p>








TEKONect PREMIUM

TEKONect Premium comes with all the features of the BASIC version, plus a comprehensive analysis tool that lets you systematically evaluate all data in real time.

 TEKON Analytics	The software intelligently analyses and visualizes the data and thresholds and includes the TEKON Graphical User Interface and TEKON Health Score.
 Database	All data acquired is recorded, stored, and processed in the form of a logbook.
 Communication interface	LAN connection

Optional features

TEKONect BASIC and TEKONect PREMIUM can be expanded to include other components, meaning you can perform individual tests and detailed analyses.

 LED stoplight directly on the adapter (depends on the system)	An LED indicates the status of the test adapter using stoplight colors. These active, visual maintenance notes and warnings are simultaneously reported in the system.
 Temperature sensor at the contact point	The sensor monitors the amount of heat generated directly at the contact point.
 Intelligent temperature management	If the temperature becomes too high, the contact point will be actively cooled. This cooling is triggered by the temperature exceeding defined setpoints. A solenoid valve activates this system with the optimal flow of cooling air. Alternatively, the cooling can be provided by an integrated fan.
 Emergency-off function	The emergency-off function prevents the test adapter and test specimen from being damaged or destroyed. For example, it can be triggered when an upper threshold is exceeded, thereby preventing a fire caused by excessive temperatures or excessive breaches of the thresholds.
 Communication interface	The WLAN connection enables other optional features to be used (available as from the PREMIUM version).



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