



BERGHOF TESTING

Merlin Family

Interior / Exterior Tester with integrated
DUT supply

MERLIN is designed as intelligent all-rounder for multifunctional automotive testing. The solution is usable for various kinds of duties from interior tests like airbag-, lighting-, seat function- and control panel tests to exterior like e.g. bumpers. Due to a wide measuring range manifold applications are possible – from pyrotechnic applications to electric motors. Simultaneous current supply and resistance/current measurement as well as a compact build safe space and facilitate resource protection. The family consists of several test units for specific applications that are based on common modules to simplify implementation, interchangeability and operator convenience.

MERLIN Family		
Model	Technical Features	Your Advantages
	<ul style="list-style-type: none"> - HMI - Programmable In/Outs - Voltage / current measurement - Parameter Storage - Ethernet for Remote Control - CAN/LIN Communication - Power Supply for DUT 	<p>One device fits all: Efficient through multivariable use for bumpers, door panels, seats, etc.</p>
Seat	<p>Tests for</p> <ul style="list-style-type: none"> - Seat memory control, - Side airbags, seat belt reminder - Motors (e.g. lumbar support, seat climate) - Passive occupant detection system (PODS) 	<p>Resource protection: Simultaneous current supply and resistance/current measurements</p>
Test methods	<ul style="list-style-type: none"> - Functional Test - Current Measurement - Resistance Measurement 	<p>Plug & Play: Fast and easy set up</p>
Door Panel	<p>Tests for</p> <ul style="list-style-type: none"> - DUT identification, - Functional control, - Presence check for mechanical components, - Surface inspection of equipment 	<p>Space-saving: Through highly compact build</p>
Test methods	<ul style="list-style-type: none"> - Resistance measurement - Current measurement - Voltage metering - Optical inspection 	<p>Manifold applicability: From pyrotechnic applications to electric motors through wide measuring range</p>
Bumper	<p>Tests for</p> <ul style="list-style-type: none"> - Sensors (radar, ultrasonic, camera systems), - Consumers (by means of current measurement), - Presence measurement (by means of resistance measurement) 	<p>Scalable: Through standardized communication interfaces</p>
Test methods	<ul style="list-style-type: none"> - Resistance measurement - Current measurement - Voltage metering - ECU simulation for pedestrian protection hose - Optical inspection 	<p>Cost effective: Reduces set up cost through multichannel supply/measurement</p>



Your contact partner

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