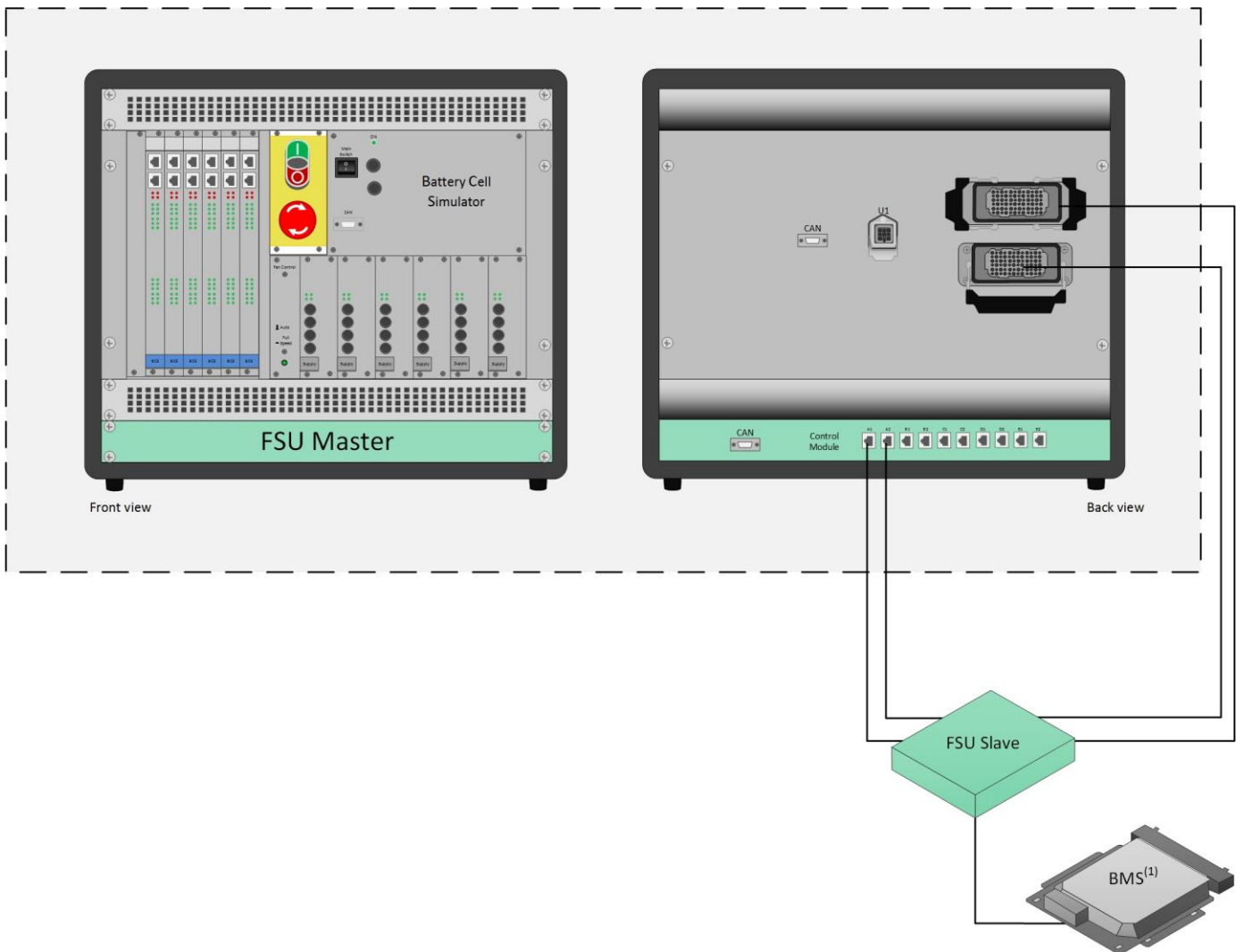


Failure Simulation Unit (FSU)

Part of a modular test bench by comemso



(1) BMS not included in quotation

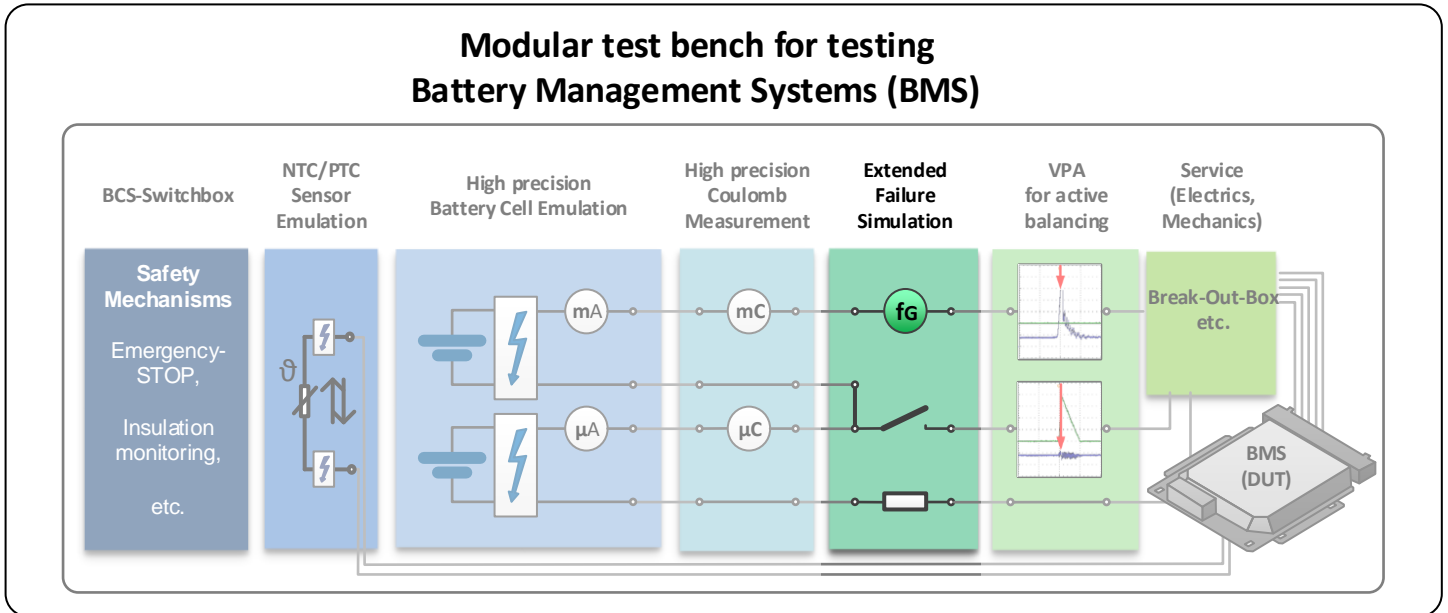
Please contact for more information:

comemso GmbH
Anita.Athanasas@comemso.de or sales@comemso.de
Phone +49 7158 984 11-81 / Mobile +49 15785001181
www.comemso.com

comemso[®]
your partner for complex embedded solutions

Failure Simulation Unit (FSU)

Part of a modular test bench by comemso



To extend the failure simulation of the Battery Cell Simulation (BCS), the comemso Failure Simulation Unit (FSU) is used. The following test cases of the Battery Management System are possible with the FSU:

NO.	Test case failure simulation	Sketch	Realization
1	<p>Cable break of voltage measurement cable</p> <p>Cause: Mechanical stress</p>		<p><i>Setting:</i> BCS: Set cell 'n' to LOAD_ONLY mode FSU: Open relay 'n' BCS: Set cell 'n' back to NORMAL mode</p>

Furthermore a ripple filter is added to the voltage and sense lines of BCS.

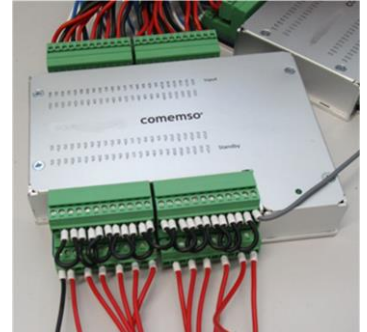
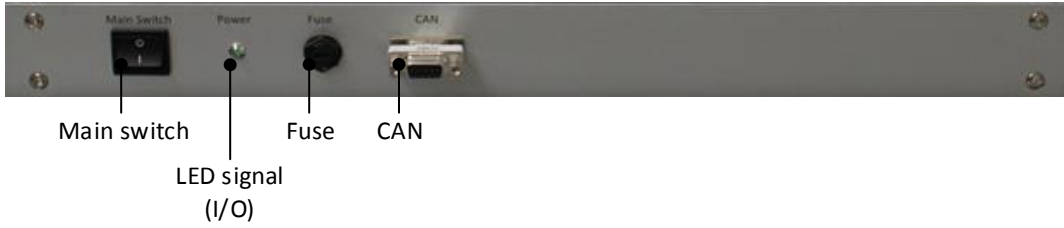
Please contact for more information:

comemso GmbH
 Anita.Athanasas@comemso.de or sales@comemso.de
 Phone +49 7158 984 11-81 / Mobile +49 15785001181
 www.comemso.com

Failure Simulation Unit (FSU)

Part of a modular test bench by comemso

FSU Master Front

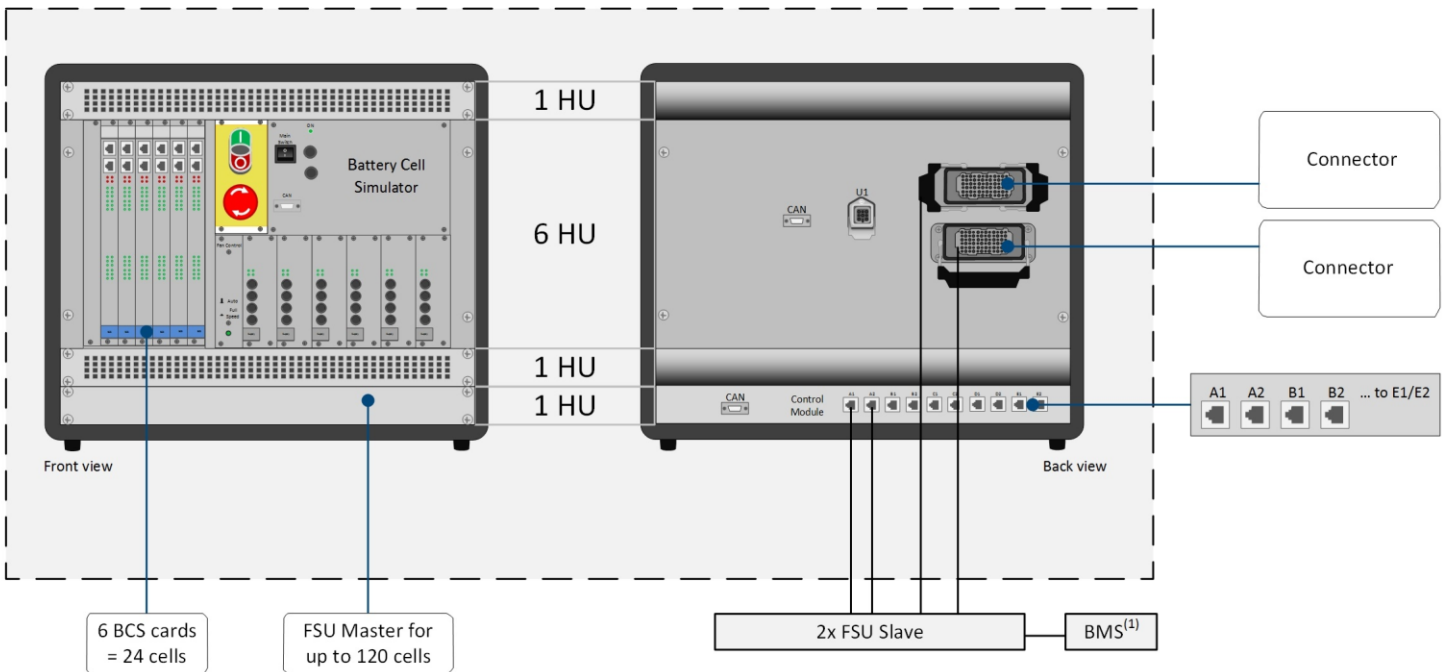


FSU Slave for 12 cells

FSU Master Rear



FSU Slave



Technical Data

Communication: CAN-Bus 500 kBd / 1 MBd

Temperature range: Lab conditions

Connector: 115V/230V

Cascading of 12 emulated cells to a stack (per slave)

Up to 10 slaves per master (via ethernet cable)

Cable break of measurement line

Different settings for each measurement line

⁽¹⁾ BMS not included in quotation

Please contact for more information:

comemso GmbH
 Anita.Athanasas@comemso.de or sales@comemso.de
 Phone +49 7158 984 11-81 / Mobile +49 1578 5001181
 www.comemso.com

comemso[®]
 your partner for complex embedded solutions