



BMS Test Solution



- ☐ **Real-Time HIL Simulator:** HIL606
- ☐ **Smart Cell Emulators:**
 - Up to 256 channels
 - Isolation: Up to 1 kV
- ☐ **Thermistor Emulators:**
 - Up to 96 channels, 10 k Ω NTC
 - Accuracy: 0.1%
- ☐ **Isolation Resistance Emulator:**
 - 2 channels, up to 65 M Ω
 - Accuracy: 1%
- ☐ **Shunt Emulator:** ± 250 mV
 - Accuracy: ± 0.25 mV $\pm$ 0.1% FS
- ☐ **HVIL Interface:** 0 Ω to 420 Ω in steps of 60 Ω , Open Wire Fault
- ☐ **Protocols:** CAN, CAN FD, LIN, SENT, SPI
- ☐ **Pack Voltage Emulation:**
 - Up to 1 kV
- ☐ **Fault Insertion Unit**
- ☐ **Controllable Power Supplies**
- ☐ **Industrial PC**



Smart Cell Emulator

- ☐ **Channels:** Up to 32
- ☐ **Channel Isolation:** Up to 1 kV
- ☐ **Communication:**
CAN FD or CAN
- ☐ **Calibration:** Automatic
- ☐ **Fault Insertion:** Short, Open,
Reverse Polarity
- ☐ **Operation Mode:** CV or CC
- ☐ **Output Voltage Characteristics:**
 - Range: ± 8 V
 - Accuracy:
 $< \pm 0.5$ mV
 $\pm 0.05\%$ FS
- ☐ **Output Current Characteristics:**
 - High current range: ± 1 A
 - Accuracy: $< \pm 0.2$ mA $\pm 0.05\%$ FS
 - Low current range: ± 10 mA
 - Accuracy: $< \pm 5$ μ A $\pm 0.05\%$ FS
- ☐ **Temperature Measurement:**
 - Using off-board PT1000
 - Accuracy: $\pm 0.5^\circ\text{C} \pm 0.25\%$

Discover
more here.

