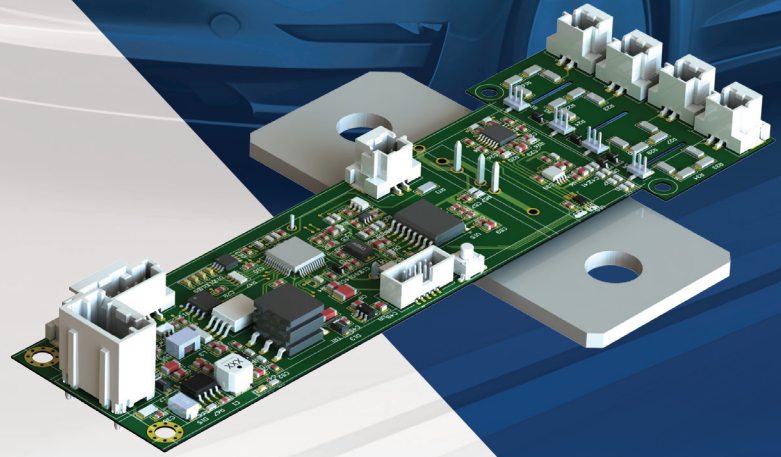




Standalone Current, Voltage, Temperature Sensor

Stay Ahead of the Curve with Real-Time CVT Data

The HDS CVT-1500-1200A Current, Voltage, Temperature (CVT) is a smart shunt based current sensor that provides current, high voltage and temperature data over CAN bus. The sensor is rated up to 1500V and is perfect for interfacing with Battery management systems on Electric and Hybrid applications.



Accurate CVT Readings for Demanding Applications



Rugged Construction Meeting Military Shock and Vibration Standards

Built to endure the toughest conditions, this CVT meets military shock and vibration standards for unmatched reliability and durability.



Comprehensive Monitoring

Provides real-time data on current, voltage, and temperature, ensuring precise and accurate system performance analysis.



Pairs with HDS SSPC Product for Full System Control

Pairs with the HDS SSPC for full system control, providing seamless integration, enhanced monitoring, and optimized management of electrical systems.



Enhanced Safety

Helps prevent system failures by identifying potential issues like overheating or abnormal currents early.



Advanced Engineering
& Manufacturing



Engineered & Assembled
In The USA Since 2004.



SCAN TO VISIT
OUR WEBSITE

www.hds.us



Accurate CVT Readings for Demanding Applications

Optimize Performance with Standalone CVT Precision

Optimize performance with Standalone CVT Precision by ensuring accurate monitoring of current, voltage, and temperature, enhancing system reliability and efficiency in demanding applications.

Specifications

Engineered & Assembled
In The USA Since 2004.



PERFORMANCE

- 4 Channel Voltage Sense: Up to 1500Vdc
- Shunt Based Current Sense: Up to 1200A
- 12/24/48 V Nom Compatible Supply Input
 - Current Resolution: 10mA
 - Voltage Resolution: 20mV Per Channel
 - Temperature Resolution: 1°C
 - Position Agnostic Current Sensing: High-side, Low-side, Mid-pack Capable
- Data Rate Up To 1Mps Over CAN bus
- Configurable Baud Rate, CAN ID's, Data Rate, Cyclic/Triggered
- On-board Battery Backed RTC for Data logging
- Seamlessly Integrates with HDS SSPC to Control Pre-charging

SAFETY

- MIL STD 202G 213B Mechanical Shock
- MIL STD 810H 514.8 Random Vibration
- UL Standards (EMC, Fire Safety)
- Reverse Battery Protected
- Fused

ENVIRONMENTAL

- -40°C to +105°C Operation
- Conformal Coated

PACKAGE

- Dimensions : (L) 5.2" [132 mm]
(W) 2.4" [60 mm]
(H) 1.4" [35 mm]
(L) 5.7" [144 mm]
(W) 3.3" [85 mm] (With Shunt)
1.9" [48 mm] (Without Shunt)
(H) 1" [24 mm]

APPLICATIONS

- Electric and Hybrid-Electric Vehicles
- Stationary Energy Storage Systems

Headquarters: Troy, MI | Manufacturing: Madison Heights, MI

For more Information: Contact sales@hds.us
or Call +1.248.298.3400



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