The integrated current sensor measures current of the battery for battery pack (BDU: battery disconnect unit), battery management for xEV applications.

**Automotive, Truck, Bus, & Off-Road Sensor Product Type:** Current Sensor

**Automotive, Truck, Bus, & Off-Road Sensor Technology:** Hall, Shunt

**INTEGRATED CURRENT SENSOR**

**Industry:** Automotive

**Application:** Battery Pack (BDU: Battery Disconnect Unit), Battery Management for xEV application

**Functions:** Measuring current of battery

**Technology:** Hall or Shunt

**Benefits:**
- Operating voltage: 5 V (4.5 to 5.5 V)
- Operating temperature: -40° C … +85° C
- Operating current range: -350 A ~ +350 A
- Analog output • Accuracy @ 25° C: 1 % (Hall)
- Tolerance: 100 µΩ ± 5 %
- Temperature sensor: NTC

**Features**

**Product Type Features**

<table>
<thead>
<tr>
<th>Automotive, Truck, Bus, &amp; Off-Road Sensor Product Type</th>
<th>Current Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive, Truck, Bus, &amp; Off-Road Sensor Technology</td>
<td>Hall, Shunt</td>
</tr>
</tbody>
</table>

**Related Materials**

**Data Sheet**
Integrated_Current_Sensor

**Catalog**
TE Sensor Technologies | Automotive | Industrial & Commercial Transportation

English
Catalog

TE Sensor Solutions

TE offers an unmatched portfolio of solutions for applications across a wide range of industries, including Automotive, Industrial, Medical, Appliance, Aerospace & Defense, and Industrial and Commercial Transportation.

English