Ordering Code of BCM Strain Gauges

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>constantan</td>
</tr>
<tr>
<td>K</td>
<td>karma</td>
</tr>
<tr>
<td>E</td>
<td>encapsulated gauge</td>
</tr>
<tr>
<td>O</td>
<td>open-faced gauge</td>
</tr>
<tr>
<td>F</td>
<td>advanced phenolic resin</td>
</tr>
<tr>
<td>I</td>
<td>modified polyimide resin</td>
</tr>
<tr>
<td>A</td>
<td>laminated polyetherketone</td>
</tr>
</tbody>
</table>

gauge length  
gauge resistance  
backing material  
foil alloy material  
gauge type  
gauge pattern  
S.T.C. or E.M.C. number of gauges  
center distance between two grids  
creep code of gauges  
solder-pads  
ordering code example: E C F - 350 - 3 GB - (11) - d - O - SP

Notes:  
1. The resistance tolerance, the resistance deviation from its nominal value, the resistance difference between the two grids of dual gauges, and the resistance unbalance over the four grids of full-bridge gauges, are on the package.  
2. The parameter of "center distance between two grids" is only applied to half-bridge gauges and full-bridge gauges.  
3. The open-faced strain gauge is made without the encapsulation, so its sensing grid will be exposed to air (oxygen, humidity, and dust) during the bonding process. Therefore, it is not recommended for transducer application, unless the user wants to trim the gauge resistance after the bonding process.  
4. A new creep can be available on request for large orders.  
5. It is not necessary to select the option of "SD (tinned solder dots)", unless the user is not able to solder the leads/wires onto the karma gauges (e.g., EKF-series).  
6. 30mm is the standard length. Other lengths are available on request.  
7. The highest operating temperature of enamel insulated copper wires (CW) is 150°C.  
8. The soldering extensions (SE) are extensions of the gauge contacts formed on the gauge itself, and its maximum length is limited to 90mm.  

The listed specifications are subject to change without prior notice.
strain gauges (SG) for transducer application

SG for bending beam

SG for compression & tension column beam

SG for shear-beam

half-bridge strain gauges

full-bridge strain gauges

BCM strain gauges have 2-year warranty.

diaphragm SG for pressure applications

diaphragm SG for force sensor applications

bondable compensation resistors

bondable soldering terminals

example of soldering extension (SE)

extension length: 30, ..., 90 mm

For detailed product information, please visit our website: www.BCMSensor.com.