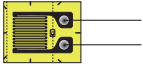
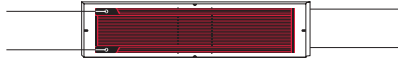


# Gages for High-pressure Hydrogen Gas Environment KfV

| Patterns,<br>Gage Resistance, Gage Factor  | Models | Dimensions (mm) |       |        |  | Remarks |              |   |     |   |   |  |
|--|--------|-----------------|-------|--------|--|---------|--------------|---|-----|---|---|--|
|  |        | Grid            |       | Base   |  |         |              |   |     |   |   |  |
|  |        | Length          | Width | Length | Width  |         |              |   |     |   |   |  |
| <p><b>●KfV Foil Strain Gage for Hydrogen Gas Environment <span style="color:red">NEW</span></b></p> <p><b>Uniaxial 350Ω gages</b><br/>Resistance: 350 Ω<br/>Gage factor: Approx. 2.5</p>  <p>KfV is a foil strain gage that enables stable strain measurement under high-pressure hydrogen gas environment. The metal foil of conventional foil strain gages has the electric resistance changed by receiving hydrogen effect, thereby disabling stable strain measurement. KfV strain gage receives less electric resistance change due to hydrogen, thereby enabling stable strain measurement.</p> <p><b>Applicable Adhesives and Operating Temperature Range after Curing</b><br/>PC-600: -30 to 80°C</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>To Ensure Safe Usage</b><br/>Before using KfV strain gage, request the leaflet and read thoroughly the Safety Precautions described there.</p> </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:40%;">KfV-2-350-C1</td> <td style="width:10%;">2</td> <td style="width:10%;">3.2</td> <td style="width:10%;">6</td> <td style="width:10%;">5</td> <td style="width:10%;">Polyester-coated copper lead wires<br/>A min. qty 2 PC.</td> </tr> </table> |        |                 |       |        |  |         | KfV-2-350-C1 | 2 | 3.2 | 6 | 5 | Polyester-coated copper lead wires<br>A min. qty 2 PC. |
| KfV-2-350-C1   | 2      | 3.2             | 6     | 5      | Polyester-coated copper lead wires<br>A min. qty 2 PC. |         |              |   |     |   |   |  |

# Bending Strain Measuring Gages KFF

| Patterns,<br>Gage Resistance, Gage Factor   | Models | Dimensions (mm) |        |        |                  | Remarks |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
|---|--------|-----------------|--------|--------|------------------|---------|-------------------|--|--|--|--|--|-------------------|--|--|--------|--|------------------|-------------------|--|--|--|--|--|-------------------|--|--|--|--|--|-------------------|--|--|--------|--|------------------|-------------------|--|--|--|--|--|
|   |        | Grid            |        | Base   |                  |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
|   |        | Length          | Width  | Length | Width            |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
| <p><b>●KFF Series Foil Strain Gages for Bending Strain Measurement</b></p> <p><b>Uniaxial 350Ω gages</b><br/>Resistance: 350 Ω<br/>Gage factor: Approx. 2.1</p>  <p>The KFF series foil strain gages have one each sensing element on both the upper and lower sides of the thick plastic base. Thus, if a gage cannot be bonded directly to the inside of the measuring object as in the case of measuring stress due to internal pressure in high-pressure vessels or stress measurement in box structures such as bridge girders, the KFF series gages can be bonded to the surface to obtain strain at the rear.</p> <p><b>Applicable Adhesives and Operating Temperature Range after Curing</b><br/>CC-33A: -50 to 80°C    EP-180: -50 to 80°C</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:40%;">KFF-30-350-C11-11</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td>KFF-30-350-C11-16</td> <td></td> <td></td> <td>30x7x1</td> <td></td> <td>A min. qty 5 PC.</td> </tr> <tr> <td>KFF-30-350-C11-23</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>KFF-30-350-C12-11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>KFF-30-350-C12-16</td> <td></td> <td></td> <td>30x7x2</td> <td></td> <td>A min. qty 5 PC.</td> </tr> <tr> <td>KFF-30-350-C12-23</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |        |                 |        |        |                  |         | KFF-30-350-C11-11 |  |  |  |  |  | KFF-30-350-C11-16 |  |  | 30x7x1 |  | A min. qty 5 PC. | KFF-30-350-C11-23 |  |  |  |  |  | KFF-30-350-C12-11 |  |  |  |  |  | KFF-30-350-C12-16 |  |  | 30x7x2 |  | A min. qty 5 PC. | KFF-30-350-C12-23 |  |  |  |  |  |
| KFF-30-350-C11-11   |        |                 |        |        |                  |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
| KFF-30-350-C11-16   |        |                 | 30x7x1 |        | A min. qty 5 PC. |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
| KFF-30-350-C11-23   |        |                 |        |        |                  |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
| KFF-30-350-C12-11   |        |                 |        |        |                  |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
| KFF-30-350-C12-16   |        |                 | 30x7x2 |        | A min. qty 5 PC. |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |
| KFF-30-350-C12-23   |        |                 |        |        |                  |         |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |                   |  |  |  |  |  |                   |  |  |        |  |                  |                   |  |  |  |  |  |

