

# High-elongation Strain Gage

# KLM

● Gage Factor Approx.1.9

**Applicable Adhesives and Operating Temperature Ranges**

EC-30: -10 to 60°C  
CC-36: -10 to 80°C



■ Types, lengths and codes of leadwire cables pre-attached to KLM gages

Type	Vinyl-coated flat 2-wire cable	Vinyl-coated flat 3-wire cable
Length	A9	
15 cm	L15C2R	L15C3R
30	L30C2R	L30C3R
50	L50C2R	L50C3R
1 m	L1M2R	L1M3R
2	L2M2R	L2M3R
3	L3M2R	L3M3R
4	L4M2R	L4M3R
5	L5M2R	L5M3R
6	L6M2R	L6M3R
8	L8M2R	L8M3R
10	L10M2R	L10M3R
15	L15M2R	L15M3R
20	L20M2R	L20M3R
30 m	L30M2R	L30M3R
Oprg. temp. range	-10 to 80°C	
Remarks	L-6; L-9 for 6m or longer	L-7; L-10 for 6m or longer

■ **Ultrahigh-elongation Wire Strain Gage**

The special resin film used for the base makes the KLM gage hard to concentrate stress at the joint of the gage element and gage leads, and enables it to measure strain as large as approximately 20%. The gage can also be used for strain measurement on materials of small elastic modulus such as hard rubber and plastics.

## KLM Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model
 <p><b>KLM-6-120-A9</b></p>	Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)	-10 to 80°C	1m	KLM-6-120-A9 <b>L1M3R</b>
			3m	KLM-6-120-A9 <b>L3M3R</b>
			5m	KLM-6-120-A9 <b>L5M3R</b>
	Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-10 to 80°C	1m	KLM-6-120-A9 <b>L1M2R</b>
			3m	KLM-6-120-A9 <b>L3M2R</b>
			5m	KLM-6-120-A9 <b>L5M2R</b>
<p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size <span style="border: 1px solid black; border-radius: 15px; padding: 2px 10px;">17.5 x 7.5 mm</span></li> <li>● Gage Length <span style="border: 1px solid black; border-radius: 15px; padding: 2px 10px;">6 mm</span></li> <li>● Gage Resistance <span style="border: 1px solid black; border-radius: 15px; padding: 2px 10px;">120Ω</span></li> <li>● Pieces per Pack <span style="border: 1px solid black; border-radius: 15px; padding: 2px 10px;">10</span></li> </ul>	Silver-clad copper wires	-269 to 150°C	25mm	KLM-6-120-A9