Series "UF"

Leadwire-integrated

metal

Quarter bridge with 3-wire system is usable to avoid an unexpected effect of resistance change with temperature

Compatible adhesive & Operational temperature
CN: - 20~ + 120°C
NP-50: - 20~ + 150°C EB-2: - 20~ + 150°C

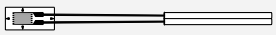
Operational temperature -20~+150°C
Temperature compensation range +10~+100°C

GENERAL USE

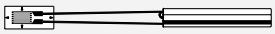
This gauge has a pre-attached vinyl lead wire to UF series strain gauge. Works for lead wire connection such as strain gauge terminal installation and lead wire soldering are not required. It saves much time and labor. When operating temperature of strain gauge exceeds 80°C, fluorinated resin sheathed extension wire should be ordered. (UF series utilizes polyimide gauge lead.)

●Single-element (G.F. 2.1 approx.)
0.08mm² integral vinyl leadwire
Total leadwire resistance per meter : 0.44Ω

2-wire system



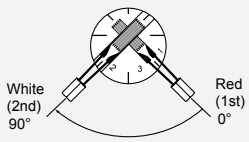
3-wire system



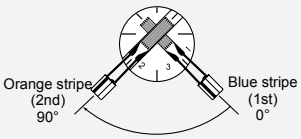
●90°2-element Cross (G.F. 2.1 approx.)

Stacked type
0.08mm² integral vinyl leadwire
Total leadwire resistance per meter : 0.44Ω

2-wire system

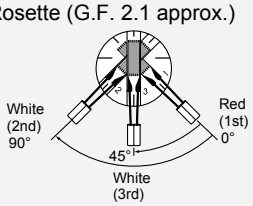


Stacked type
3-wire system

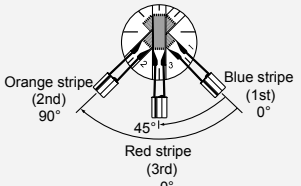


●45°/90°3-element Rosette (G.F. 2.1 approx.)

Stacked type
2-wire system



Stacked type
3-wire system



(Not actual size shown)

Standard leadwire is vinyl leadwire and is available -20~+80°C.

Gauge pattern	Type		Gauge size L	Gauge size W	Backing L	Backing W	Resistance in Ω
			L : length	W : width	(Unit : mm)		
Single-element 2-wire system	UFLA-1-11 -17 -23	-1L	1	1.3	5.0	2.5	120
	UFLA-2-11 -17 -23	-3L	2	1.5	6.5	3.0	120
	UFLA-5-11 -17 -23	-5L	5	1.5	10.0	3.0	120
Single-element 3-wire system	UFLA-1-11 -17 -23	-3LT	1	1.3	5.0	2.5	120
	UFLA-2-11 -17 -23		2	1.5	6.5	3.0	120
	UFLA-5-11 -17 -23	-5LT	5	1.5	10.0	3.0	120
90° 2-element Cross, Stacked type, 2-wire system	UFCA-1-11 -17 -23	-1L	1	0.7	φ4.5		120
	UFCA-2-11 -17 -23	-3L	2	0.9	φ7.0		120
	UFCA-5-11 -17 -23	-5L	5	1.9	φ12.0		120
90° 2-element Cross, Stacked type, 3-wire system	UFCA-1-11 -17 -23	-3LT	1	0.7	φ4.5		120
	UFCA-2-11 -17 -23		2	0.9	φ7.0		120
	UFCA-5-11 -17 -23	-5LT	5	1.9	φ12.0		120
45° /90° 3-element Rosette, Stacked type, 2-wire system	UFRA-1-11 -17 -23	-1L	1	0.7	φ4.5		120
	UFRA-2-11 -17 -23	-3L	2	0.9	φ7.0		120
	UFRA-5-11 -17 -23	-5L	5	1.9	φ12.0		120
45° /90° 3-element Rosette, Stacked type, 3-wire system	UFRA-1-11 -17 -23	-3LT	1	0.7	φ4.5		120
	UFRA-2-11 -17 -23		2	0.9	φ7.0		120
	UFRA-5-11 -17 -23	-5LT	5	1.9	φ12.0		120

Minimum order is 10 gauges or more. For UFLK/UFLG gauges, leadwire-integral service is also available, contact Altheris bv

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