

Micro-Measurements

Transducer-Class® Strain Gages

GAGE PA	TTERN			ecessary for	GAGE DESIGNATION	RES. IN	STANDARD CREEP	ENCAPSU- LATION
DIMENSIONS			inch millimeter	See Note 1	OHMS	CODE	OPTION AVAILABLE	
Q					Often used on small column	n transducers.		
GAGE LENGTH	OVERALL LENGTH		RID DTH	OVERALL WIDTH				
0.062	0.295	0.0	080	0.080				
1.57	7.49	2.03		2.03				
MATRIX SIZE	0.36 L x 0.1	4 W	9.0	L x 3.6 W	N2A-XX-S063Q-350	350 ± 0.2%	Q*	E2

Ļ				General-purpose 90° tee ro	osette.			
GAGE LENGTH	OVERALL LENGTH	GRI WID		OVERALL WIDTH				
0.062	0.133	0.07	75	0.168				
1.57	3.38	1.9	1	4.27				
MATRIX SIZE	0.24 L x 0.2	25 W	4.9	L x 5.8 W	N2A-XX-S064L-350	350 ± 0.2%	L*	E2

		7	71		Encapsulated 90° tee rosette.			
GAGE LENGTH	OVERALL LENGTH	-	rid Dth	OVERALL WIDTH				
0.080	0.170	0.1	110	0.240				
2.03	4.32	2.	79	6.10	J2A-XX-S114L-350	350 ± 0.4%	1	
MATRIX SIZE	0.23 L x 0.3	80 W	5.9	L x 7.6 W	J2A-XX-S152M-10C	$1000 \pm 0.4\%$	M	

*Only creep code available for this gage type.

Note 1: All products are RoHS compliant.

90° Patterns - Dual Grid

MIME Micro-Measurements



Transducer-Class® Strain Gages

GAGE PA	ATTERN	Actual size shown. Enlarged when necessary for definition.			GAGE DESIGNATION	RES. IN	STANDARD CREEP	ENCAPSU- LATION
	DIMENSIONS		inch millimeter	See Note 1	OHMS	CODE	OPTION AVAILABLE	
R		ľ	1		Designed for low-cost, half- †BAL is balanced to ± 0.2% ‡BAL is balanced to ± 0.2%	6, but RG is 350 oh	ms ± 15%.	
GAGE LENGTH	OVERALL LENGTH	_	rid Dth	OVERALL WIDTH				
GRID 1 0.060	0.180	GRID	1 0.120	0.175				
1.52	4.57 3.05		4.45	N2A-XX-S153R-35B	BAL ± 0.2%†	B*	E2	
MATRIX SIZE	0.22 L x 0.2	22 W	0.22 L x 0.22 W 5.6		N2A-XX-S150R-1KB	BAL $\pm 0.2\%$	R*	E2

v					Often used on column trans	sducers.		
GAGE LENGTH	OVERALL LENGTH	GRID OVERALL WIDTH WIDTH						
0.100	0.415	0.1	30	0.130				
2.54	10.54	3.3	30	3.30				
MATRIX SIZE	0.48 L x 0.1	9 W	12.2	2 L x 4.8 W	N2K-XX-S165V-10C/DP	1000 ± 0.2%	V	E2

					Often used on column tran	sducers.		
GAGE LENGTH	OVERALL LENGTH	-	GRID OVERALL WIDTH WIDTH					
0.100	0.415	0.1	130	0.130				
2.54	10.54	3.	30	3.30				
MATRIX SIZE	0.48 L x 0.1	9 W	12.2	2 L x 4.8 W	N2A-XX-S053P-350	350 ± 0.2%	Р	E2

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90° Patterns - Dual Grid

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GAGE PA	TTERN			n. ecessary for	GAGE DESIGNATION	RES. IN	STANDARD CREEP	ENCAPSU- LATION
DIMENSIONS				inch millimeter	See Note 1	OHMS	CODE	OPTION AVAILABLE
R					General-purpose 90° tee ro	osette.		
GAGE LENGTH	OVERALL LENGTH	_	rid Dth	OVERALL WIDTH				
0.125	0.230	0.1	150	0.340				
3.18	5.84	5.84 3.81		8.64	N2A-XX-S054Y-350 N2K-XX-S145R-10C/DP	350 ± 0.2% 1000 ± 0.2%	Y B	E2 E2
MATRIX SIZE	0.29 L x 0.4	0 W	7.4	L x 10.2 W	TK-XX-S145R-10C/DP	1000 ± 0.2%	R	E2

R					Three-tab version of S145R pattern.			
GAGE LENGTH	OVERALL LENGTH	GF WIE		OVERALL WIDTH				
0.125	0.230	0.1	50	0.340				
3.18	5.84	3.8	81	8.64	N2K-XX-S146R-10C/DP	1000 ± 0.2%	R	E2
MATRIX SIZE	0.29 L x 0.4	0.29 L x 0.40 W 7.4 L		L x 10.2 W	TK-XX-S146R-10C/DP	$1000 \pm 0.2\%$ 1000 ± 0.2%	R	E2 E2

					Used on high-accuracy column load cells. (1) Gage length is 0.200 in (5.1mm). (2) Transverse gage length is 0.050 in (1.27mm).				
			,						
GAGE LENGTH	OVERALL LENGTH		GRID OVERA						
(1)	0.325	(2)		0.270	N2A-XX-S167R-350 N2K-XX-S015T-350/DP	$350 \pm 0.2\%$ $350 \pm 0.2\%$	R* T*	E2 E2	
(1)) 8.26 (2) 6		6.86	N2K-XX-S184T-10C/DP TK-XX-S015T-350/DP	$1000 \pm 0.2\%$ $350 \pm 0.2\%$	T* T*	E2 E2		
MATRIX SIZE	0.38 L x 0.3	33 W	9.6	L x 8.4 W	TK-XX-S0131-330/DI TK-XX-S184T-10C/DP	1000 ± 0.2%	T*	E2	

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Vishay Precision Group

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