



U-GAUGES

Product Code	Total Length, mm (inch)	Active Length, mm (inch)	Width, mm (inch)	Lead Attachment	Thickness, mm (inch)	Resistance, Ω @ 25°C	Gauge Factor	TCGF % change per 56°C/100°F temperature variation	TCR
SS-018-011-3000 PU	4.572 (0,18)	2.794 (0,11)	0.305 (0,012)	Ball Bond	0.010 (0,0004)	3000±150	100±10	-23%	42%
SS-028-008-400 PU	7.112 (0,28)	2.032 (0,08)	0.406 (0,016)	Welded	0.010 (0,0004)	400±40	150±10	-18%	24%
SS-037-022-500 PU	9.398 (0,37)	5.588 (0,22)	0.406 (0,016)	Welded	0.010 (0,0004)	540±50	150±10	-13%	17%
SS-047-025-350 PU	11.94 (0,47)	6.35 (0,25)	0.406 (0,016)	Welded	0.010 (0,0004)	325±40	100±10	-10%	6%
SS-047-025-500 PU	11.94 (0,47)	6.35 (0,25)	0.406 (0,016)	Welded	0.010 (0,0004)	540±50	140±10	-13%	16%
SS-047-025-1000 PU	11.94 (0,47)	6.35 (0,25)	0.406 (0,016)	Welded	0.010 (0,0004)	1000±100	160±10	-20%	28%
SS-060-033-300PU	15.24 (0,6)	8.382 (0,33)	0.406 (0,016)	Welded	0.010 (0,0004)	325±40	100±10	-10%	6%
SS-060-033-500PU	15.24 (0,6)	8.382 (0,33)	0.406 (0,016)	Welded	0.010 (0,0004)	540±50	140±10	-12%	14%
SS-060-033-2000PU	15.24 (0,6)	8.382 (0,33)	0.406 (0,016)	Welded	0.010 (0,0004)	2000±100	155±10	-18%	24%
SS-080-050-10000PU	20.32 (0,8)	12.7 (0,5)	0.33 (0,013)	Welded	0.010 (0,0004)	10000±1000	175±10	-23%	42%
SS-095-060-350PU	24.13 (0,95)	15.24 (0,6)	0.406 (0,016)	Welded	0.010 (0,0004)	350±50	120±10	-9%	5%



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Standard gauge specification			
Materials	Operating strain	Linearity	Operating temperature
Doped Silicon, single crystal	+/- 3000 $\mu\text{m/m}$ (standard); +/- 9000 $\mu\text{m/m}$ (special)	better than +/- 0.25% to 600 $\mu\text{m/m}$; better than 1.5% to 1500 $\mu\text{m/m}$	260 °C (standard)

IF YOU USE MORE THAN ONE GAUGE IN COMBINATION, MINIMIZE THERMAL IMBALANCE AND DRIFT BY SELECTING SETS OF THERMALLY MATCHED GAUGES

Standard matching	
Temperature	% of base resistance
-18 °C	+/- 0.6%
25 °C	+/- 0.4%
135 °C	+/- 0.4%

MIL SPEC MATCHING TO TIGHTER TOLERANCE AND ADDITIONAL TEMPERATURE POINTS AVAILABLE