

BENCHMARKING

Gauge	Metric	Waterproof STD [STD]	Max Strain [microstrain]	Size [mm x mm]	Cost [\$]	Tolerances/Resolution [+/- Ohm]	Resistances [Ohm]	Webpage
Omega SGD-1.5/120				5.6 x 5.6	67 per 10		120	http://www.omega.com/pptst/SGD_LINEAR1-AXIS.html
1033-1004-ND			5%	9.7 x 4.8	51.73	0.30%	350	http://www.vishaypg.com/docs/11224/125un.pdf
1033-1002-ND			3%	7.9 x 4.8	62.43	0.30%	350	http://www.vishaypg.com/docs/11189/062uw.pdf
Omega SGD-2C/350-TY11				4 x 4	35 per 5		350	http://www.omega.com/googlebase/product.html?pn=SGT-2C/350
WFLA-3-350		Waterproof	3%	17 x 8			350	http://www.straingage.com/2011/index.php?page=sg#!prettyPhoto

Telemetry System	Metric	Wireless Range [m]	Data Rate [kbps]	Power Consumption [battery life with AA Batteries days]	Cost [\$]	Range of Strain Gauges Acceptable [Ohms]	Size [cm x cm]	Mass [g]	Sampling Rate [Hz]	Webpage
T24-ACM		100	250	month 11 days	550-680	85-5000	160x80	Not available	200-2000	telemetry/wireless-sensor-transmitter-ip65-enclosure
T24-ACMi		100	250	5 days	550-680	85-5000	60x77	Not available	200-2000	telemetry/wireless-sensor-transmitter-enclosure
Link-LXRS (7		70	16bit @ 4096Hz	24mA at Idle	awaiting quote	>350	7.4 x 7.9 x 2	141	4096@1, 512@4	http://www.globalspec.com/specsearch/partspecs?partId=
SG-Link-LXRS		70	Not Available	6hr @ 4096Hz	545	>350	5.8 x 5 x 2.1	42	92-4096	http://www.microstrain.com/wireless/sg-link