

10027

PLATFORM FORCE SENSOR

Model 10027 is a low capacity, overload protected force sensor. It is offered in multiple low capacity ranges. This platform scale force measuring sensor is insensitive to off-center loading and is overload protected in both tension and compression directions. An optional enclosure is available.



DIMENSIONS

MODEL	CAPACITY	DIMENSIONS											
		A		B		C		D		E		F	
		IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM
10027-010	1 LB.	5.0	12.7	3.0	7.62	.50	1.27	6.0	15.24	2.00	5.08	2.125	5.3975
	1KG.												
10027-020	2 LBS.	5.0	12.7	3.0	7.62	.50	1.27	6.0	15.24	2.00	5.08	2.125	5.3975
	5 KGS.												
10027-050	5 LBS.	5.0	12.7	3.0	7.62	.50	1.27	6.0	15.24	2.00	5.08	2.125	5.3975
	10KGS.												
10027-011	10 LBS.	5.0	12.7	3.0	7.62	.50	1.27	6.0	15.24	2.00	5.08	2.125	5.3975
	15 KGS.												
10027-250	25 LBS.	5.0	12.7	3.0	7.62	.50	1.27	6.0	15.24	2.00	5.08	2.125	5.3975
	50 LBS.	5.0	12.7	3.0	7.62	.50	1.27	6.0	15.24	2.00	5.08	2.125	5.3975

SPECIFICATIONS

Capacities..... 1-50 lbs. or 1-15 kg. (See chart)
 Overload capacity.....150% of F.S.
 Output at F.S..... 2.0 mV/V nominal
 Non-linearity..... 0.10% of F.S.
 Hysteresis..... 0.10% of F.S.
 Zero balance..... +/-1% of F.S.
 Compensated temperature..... 70 to 170°F
 Useable temperature..... -65 to +250°F
 Temperature effect on zero..... 0.002% of F.S./°F
 Temperature effect on span.. 0.002% of Rdg./°F
 Bridge resistance..... 350 Ohms
 Excitation voltage, maximum..... 20 Vdc
 Material Aluminum

MODEL	CAPACITY	DIMENSIONS																					
		G		H		J		K		L		M		N		P		Q		R		S	
		IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM
10027-010	1 LB.	1.0	2.54	.50	1.27	.375	.9525	.50	1.27	1.0	2.54	1.50	3.81	1.04	2.6416	10-24	--	#26221	--	8-32	--	.50	--
	1KG.																						
10027-020	2 LBS.	1.0	2.54	.50	1.27	.375	.9525	.50	1.27	1.0	2.54	1.50	3.81	1.04	2.6416	10-24	--	#26221	--	8-32	--	.50	1.27
	5 KGS.					.500	1.270																
10027-050	5 LBS.	1.0	2.54	.50	1.27	.500	1.270	.50	1.27	1.0	2.54	1.50	3.81	1.04	2.6416	10-24	--	#26221	--	8-32	--	.50	1.27
	10KGS.																						
10027-011	10 LBS.	1.0	2.54	.50	1.27	.500	1.270	.50	1.27	1.0	2.54	1.50	3.81	1.04	2.6416	10-24	--	#26221	--	8-32	--	.50	1.27
	15 KGS.																						
10027-250	25 LBS.	1.0	2.54	.50	1.27	.500	1.270	.50	1.27	1.0	2.54	1.50	3.81	1.04	2.6416	10-24	--	#26221	--	8-32	--	.50	1.27
10027-051	50 LBS.	1.0	2.54	.50	1.27	.500	1.270	.50	1.27	1.0	2.54	1.50	3.81	1.04	2.6416	10-24	--	#26221	--	8-32	--	.50	1.27

