



TN 15.477 Load Cell Deflections

Technical Support

Following is a table of deflections (in mm) for a range of PT load cells. These deflections are measurements of the load cell itself and any deflection of the supporting or mounting structure are considered additional.

Low Cost Single Point 2 mV/V		Rectangular Shear Beam 3 mV/V		Low Profile Shear Beam 2 mV/V	
Model	Code	Model	Code	Model	Code
PT1000-3kg	0.51	PT5000-500lb	0.41	LS-50	0.28
PT1000-5kg	0.51	PT5000-1000lb	0.21	LS-100	0.41
PT1000-7kg	0.49	PT5000-2500lb	0.30	LS-250	0.66
PT1000-10kg	0.46	PT5000-4000lb	0.46	LS-500	0.85
PT1000-15kg	0.38	PT5000-5000lb	0.46	LS-1000	1.22
PT1000-20kg	0.34	PT5000-10000lb	0.50	LS-2500	1.09
PT1000-30kg	0.35			LS-5000	1.57
PT1000-35kg	0.29	PT5000-250kg	0.43	LS-10000	1.92
PT1000-50kg	0.15	PT5000-500kg	0.22		
PT1000-100kg	0.16	PT5000-1000kg	0.23	Precision Shear Beam 2 mV/V	
PT1000-150kg	0.17	PT5000-2000kg	0.44	Model	Code
PT1000-200kg	0.16	PT5000-2500kg	0.50	PSB-250	0.11
PT1000-250kg	0.17	PT5000-5000kg	0.64	PSB-500	0.16
				PSB-1000	0.23
Low Capacity Single Point 2 mV/V		Bending Beam 2 mV/V		PSB-2500	0.23
Model	Code	Model	Code	PSB-5000	0.32
PT2000-5kg	0.43	PT8000-5kg	0.36	PSB-10000	0.24
PT2000-7kg	0.37	PT8000-10kg	0.28	PSB-250-SS	0.11
PT2000-10kg	0.34	PT8000-20kg	0.30	PSB-500-SS	0.13
PT2000-15kg	0.30	PT8000-50kg	0.28	PSB-1000-SS	0.24
PT2000-20kg	0.32	PT8000-100kg	0.29	PSB-2500-SS	0.29
PT2000-30kg	0.31	PT8000-200kg	0.32		
PT2000-50kg	0.28	PT8000-250kg	0.36	Precision S-Type 2 mV/V	
PT2000-75kg	0.25	PT8000-500kg	0.64	Model	Code
PT2000-100kg	0.29			PST-20	0.09
		Low Cost Shear Beam 2 mV/V		PST-50	0.12
High Capacity Single Point 2 mV/V		Model	Code	PST-100	0.11
Model	Code	ASB-120	0.14	PST-250	0.11
PT3000-50kg	0.25	ASB-250	0.28	PST-500	0.12
PT3000-75kg	0.22	ASB-500	0.36	PST-1000	0.13
PT3000-100kg	0.18	ASB-1000	0.70		
PT3000-150kg	0.23			Stainless Steel Compression 1 mV/V	
PT3000-200kg	0.22	Low Cost S-Type 2 mV/V		Model	Code
PT3000-250kg	0.19	Model	Code	SSC-5	0.24
PT3000-300kg	0.25	AST-100	0.07	SSC-10	0.17
PT3000-500kg	0.35	AST-250	0.10	SSC-20	0.91
PT3000-635kg	0.25	AST-500	0.14	SSC-30	TBA
		AST-1000	0.19	SSC-50	TBA
Universal S-Beam 3 mV/V		High Precision Compression 2 mV/V		SSC-100	TBA
Model	Code	Model	Code	Heavy Duty S-Type 2 mV/V	
PT4000-50lb	0.29	HPC-30	0.43	Model	Code
PT4000-100lb	0.21	HPC-45	0.59	ST-50	0.07
PT4000-150lb	0.29			ST-100	0.09
PT4000-200lb	0.30	Low Profile Universal 2 mV/V		ST-250	0.07
PT4000-250lb	0.32	Model	Code	ST-500	0.09
PT4000-300lb	0.30	LPC-1	TBA	ST-1000	0.09
PT4000-500lb	0.28	LPC-2.5	0.03	ST-2500	0.25
PT4000-750lb	0.28	LPC-5	TBA	ST-5000	0.53
PT4000-1000lb	0.28	LPC-10	TBA	ST-10000	0.69
PT4000-1500lb	0.32	LPC-25	0.11	ST-20000	0.62
PT4000-2000lb	0.30	LPC-50	TBA		
PT4000-2500lb	0.29	LPC-100	TBA		
PT4000-3000lb	0.30				
PT4000-5000lb	0.56				
PT4000-10000lb	0.60				
PT4000-20000lb	TBA				



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Universal S-Beam		Low Profile Mini Disk	
Model	Code	Model	Code
PT4000-20kg	0.18	LPX-25	0.18
PT4000-50kg	0.26	LPX-50	0.15
PT4000-100kg	0.27	LPX-100	0.14
PT4000-200kg	0.26	LPX-250	0.17
PT4000-500kg	0.30	LPX-500	0.16
PT4000-1000kg	0.28	LPX-1000	0.12
PT4000-2000kg	0.53	LPX-2500	TBA
PT4000-3000kg	0.60	LPX-5000	TBA
PT4000-5000kg	0.71	LPX-10000	TBA
		LPX-25000	TBA
		LPX-50000	TBA