

FORCE GAUGE, PUSH PULL GAUGE

FB, DS, DF

DESK
Instruments



FB, DS (INSIZE LOADCELL)



Model FB-Series (Analog)

Model	FB-10	FB-20	FB-30	FB-50	FB-100	FB-200	FB-300	FB-500
Capacity	10N	20N	30N	50N	100N	200N	300N	500N
Resolution	0.1 N	0.2 N	0.25 N	0.5 N	1 N	2 N	2.5 N	5 N
Accuracy	± 0.5%							
Stroke	10 mm							
Working Temperature	20 C ± 10 C							
Transport Temperature	- 27 C +70 C							
Relative Moisture	15% - 80% RH							
Working Environment	No Vibrancy and no Cautery							

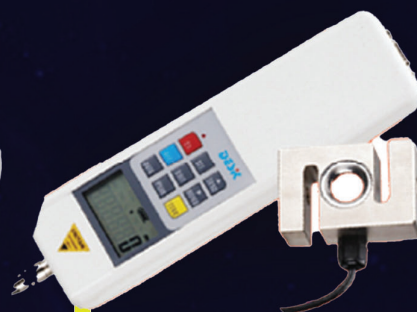
Model DS-Series (Digital InSize Loadcell)

Model	DS 2	DS 5	DS 10	DS 20	DS 50	DS 100	DS 200	DS 500	DS 1K
Capacity	2N	5N	10N	20N	50N	100N	200N	500N	1KN
Resolution	0.001N	0.001N	0.01N	0.01N	0.1N	0.1N	0.1N	0.1N	1N
Accuracy	-0.002								
Units	kgf, lbf, N								
RS-232C to USB	Connect to PC								
Power	Nicol AC Adaptor, also used as charging source								
Working Voltage	AC 220V (AC 110V can be Specified)								
Load Cell	Inside								
Working Temperature	5C - 35C								
Transport Temperature	- 10C - 60C								
Relative Moisture	15% - 80% RH								
Working Environment	No Vibrancy and no Cautery								

Model DF-Series (Digital OutSize Loadcell)

Capacity	M	H	C	B	D	D1	Load Cell
5KN	M12	51	76.2	19.1			S Beam Compressive and tensile
10KN	M12	51	76.2	25.4			
50KN	M20 x 1.5	76.2	100.4	31.8			
100KN	M30 x 2	177.8	125	50.8			
200KN		139.8			Ø 76	Ø 40	Disk type compressive and tensile
500KN		150			Ø 84	Ø 44	
200KN	M36 x 2	45			Ø 155		Spoke type compressive and tensile
300KN	M42 x 2	58			Ø 180		
500KN	M42 x 2	64			Ø 205		
1000KN	M70 x 3	90			Ø 280		

DF (OUTSIZE LOADCELL)



Standard Accessories



Small Hook

Aluminium, M6 ,Measuring range up to 50 N Order number : DS-A1

Steel, M6, Measuring range from 100 N to 500 N Order number : DS-S1



Flat Tip

Aluminium, M6, Diameter 13 mm, Measuring range up to 50 N Order number : DS-A2

Steel , M6 , Diameter 16 mm, Measuring range from 100 N to 500 N Order number : DS-S2



Conical Tip

Aluminium. M6, 85 , Measuring range up to 50 N Order number : DS-A3

Steel, M6 85 , Measuring range from 100 to 500 N Order number : DS-S3



Chisel Tip

Alumium, M6 , 85 Measuring range up to 50 N Order number : DS-A4

Steel , M6 ,85 , Measuring rang from 100 N to 500 N Order number : DS-S4

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