

DFS SPECIFICATIONS									
Model	DFS-0.5	DFS-1	DFS-2	DFS-5	DFS-10	DFS-20	DFS-50	DFS-100	
("R" denotes reverse display)	DFS-0.5R	DFS-1R	DFS-2R	DFS-5R	DFS-10R	DFS-20R	DFS-50R	DFS-100R	
Capacity	8 oz	16 oz	2 lb	5 lb	10 lb	20 lb	50 lb	100 lb	
	200 g	500 g	1000g	2 kg	5 kg	10 kg	20 kg	50 kg	
	2 N	5 N	10 N	20 N	50 N	100 N	200 N	500 N	
Resolution	0.01 oz 0.1 g			0.001 lb			0.01 lb 0.1 lb		
			1 g 0.001 kg			0.01 kg			
	0.001 N		0.01 N			0.1 N			
Accuracy	±0.2% F.S. + 1/2 digit at 73°F (23°C)								
Display	Four digit LCD, .45" high (11.5 mm) with various indicators including tension and low battery indication								
Measuring Mode	Average, peak compression, peak tension (selectable)								
Display Update	125 ms, 250 ms, 1 sec, 2 sec (selectable)								
Sampling Rate	Average mode: 125 ms, 250 ms, 1 sec, 2 sec Peak mode: 1 ms, 125 ms, 250 ms, 1 sec, 2 sec								
Temperature Coefficient	Zero: ±0.02% F.S./°C (maximum) Span: ±0.015% of reading/°C (maximum)								
Outputs	RS232C Digimatic: (works with Mitutoyo's printer model DP-1HS) Analog: (±1 VDC with load impedance of 2K or higher and tare function capability)								
Overload Capacity	200% of F.S.								
Comparator Output (Set Points)	Three open collector NPN transistors for HI, GO, and LO (28 VDC, 7 ma maximum)								
Overload Output	Two open collector NPN transistors: one for tension and one for compression (28 VDC, 5 ma maximum)								
Tare & Hold Control	Relay contact (selectable)								
Memory	Holds 100 samples plus statistics (max, min, avg and standard deviation)								
Power	Four AA alkaline batteries (included) last approximately 20 hours in continuous operation								
	AC adapter (included) for continuous use								
Auto Power Shut-Off	Selectable (3 minutes if there is no activity)								
Operating Temperature Range	32° - 113°F (0° - 45°C)								
Dimension / Weight	9.71" L x 3" W x 1.77" H (247 mm x 76 mm x 45 mm) /1.2 lb (550 g)								
Standard Accessories	AC adapter, batteries, carrying case, overload output cable and 6 attachments (flat head, hook, chisel, notched head, cone & extension rod)								
OPTIONAL ACCESSORIES	RS232C cable, digimatic, analog and comparator output cables								