

High Performance Force Gauges



- Slim, rugged die cast aluminum housing
- High sampling rates. 1000 samples/second for critical applications
- Select lbs, Kgs, or N with a touch of a button
- Hi and Lo set points
- RS232C, Digimatic and Analog outputs
- Remote Tare and Hold function control
- Large memory. 100 samples plus statistics
- Normal and reverse display models
- Auto power shut-off
- Selectable sample rate
- Selectable update rate
- Overload output signal

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**2 Year
NIST
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SPECIFICATIONS								
Model	DFS0.5	DFS1	DFS2	DFS5	DFS10	DFS20	DFS50	DFS100
Capacity	8oz	16oz	2lb	5lb	10lb	20lb	50lb	100lb
	200g	500g	1000g	2Kg	10Kg	20Kg	50Kg	
	2N	5N	10N	20N	50N	100N	200N	500N
Resolution	0.01 oz		0.001lb		0.01lb		0.1lb	
	0.1g		1g		0.001Kg		0.01Kg	
	0.001N		0.01N		0.1N			
Accuracy	+0.2% FS plus ½ digit at 73°F (23°C)							
Display	4 digit LCD 12mm high. Reversible by a push of a button. Minus sign for tension. Low battery Indication							
Measuring Mode	Average, Peak Compression, Peak Tension (selectable)							
Display Update	125 ms, 250ms, 1 sec.,2sec (selectable)							
Sampling Rate	Average Mode: 125 ms, 250ms, 1 sec,2sec Peak Mode: 1ms,125ms,250ms,1sec,2sec							
Temperature Coefficient	Zero: ± 0.02% FS/°C (max), Span:± 0.015% of reading/°C							
Outputs	1.RS-232C		2.Digimatic		3.Analog			
Overload Capacity	200% of FS							
Comparator Output	(Set Points)		Three open collector NPN transistors for HI, GO and LO (28VDC, 7 ma max)					
Overload Output	Two open collector NPN transistors one for Tension and one for Compression (28VDC, 5 ma max)							
Tare & Hold Control	Relay contact (selectable)							
Memory	Holds 100 samples plus statistics (MAX<MIN<AVG and Standard Deviation)							
Power	4-AA Alkaline batteries. Last approx. 20 hrs in continuous operation or AC Adapter for continuous use (6VDC, 200ma)							
Auto Power Shut-Off	Selectable (3 minutes if there is no activity)							
Operating Temp Range	32-113°F (0-45°C)							
Accessories (Included)	Batteries, carrying case, overload output cable, AC adapter, 6 adapters (flat head, hook, chisel, notched head, cone & extension rod)							

Catalog No.	Model	Description
SH2005	DFS0.5	8 oz high performance force gauge
SH2006	DFS1	16 oz high performance force gauge
SH2007	DFS2	2 lb high performance force gauge
SH2008	DFS5	5 lb high performance force gauge
SH2009	DFS10	10 lb high performance force gauge
SH2010	DFS20	20 lb high performance force gauge
SH2011	DFS50	50 lb high performance force gauge
SH2012	DFS100	100 lb high performance force gauge
NISTFG01	—	NIST Traceable Certificate
NISTFG02	—	NIST Traceable Certificate with Data
Inverted display models available. Please inquire.		



RS232C OUTPUT SPECIFICATIONS	
Baud rate	1200, 2400, 4800, 9600
Data length	8bits, 7bits
Stop bit	1 bit, 2 bits
Parity	none, even, odd
Data end code	CR,CR + LF
Software flow control	Disable, Enable (X on, X off)

N
Force / Thickness / Physical Dimension