

HF Series Digital Force Gauge

ITEM NO.:HF



Patent NO.:ZL201230277843.8 ZL201220300181.6

HF series digital force gauge is a universal portable force device, testing push and pull load. It is small, light, easy to take, multi-function, high precision. Applicable for all products doing push and pull load test, insert and pull out force test, destroy test, etc. It also can be combined with the machine and clamp to make up a small tester for different purposes. It's an updated version of HG series.

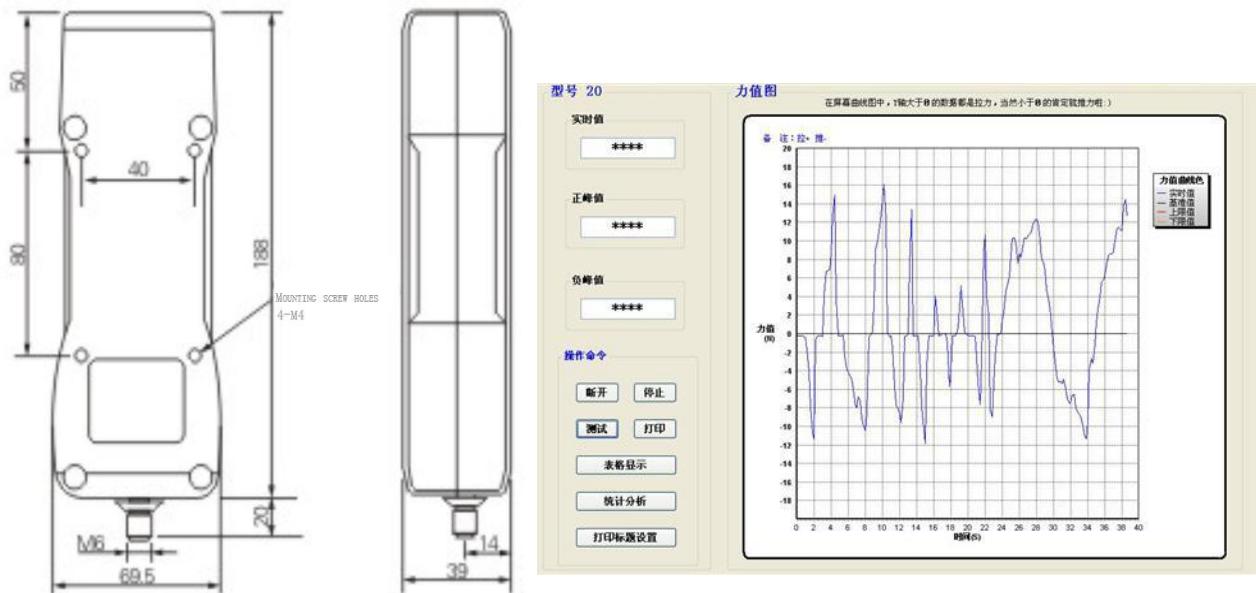
Main Characteristics

1. First peak hold function in testing process.
2. Keystroke force and resilience force test.
3. Cooperating with our patent product electric test machine, this gauge is able to stop snapping timely, hold the force, limit the force and fatigue test, etc.
4. Gravity acceleration can be set.
5. High precision, high resolution, sampling speed up to 960Hz.
6. Set the difference between upper and lower limit freely, the acoustic-optic alarm automatically, level signal output (can be set).
7. Lattice LCD, green background light lamp.
8. Showing test direction.
9. Chinese or English operation interface language, and the test display can turn 180 degree, easy to observe from multiple perspectives.
10. In storage 200 sets measuring datas and automatically calculate the Average value, Max and Min.
11. Convert three units N, Kgf, lbf automatically.
12. Holding and removing the peak value automatically (0-99 sec. can be set).
13. Power off automatically without any operation (0-99 min, time can be set freely).
14. Communication connecting (can set USD communication), many kinds of display usage, such as, display force value curve in computer, force value form and data treatment: print or analysis.



Remark: According to client require to select Sensor

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HF Series Spec Parameters

Model	HF-2	HF-5	HF-10	HF-20	HF-50	HF-100	HF-200	HF-500	HF-1000
Max load	2N	5N	10N	20N	50N	100N	200N	500N	1000N
	0.2kg	0.5kg	1kg	2kg	5kg	10kg	20kg	50kg	100kg
	0.44lb	1.1lb	2.2lb	4.4lb	11lb	22lb	44lb	110lb	220lb
Load graduation value	0.001N	0.001N	0.005N	0.01N	0.01N	0.05N	0.1N	0.1N	0.5N
	0.1g	0.1g	0.5g	0.001kg	0.001kg	0.005kg	0.01kg	0.01kg	0.05kg
	0.0002lb	0.0002lb	0.001lb	0.002lb	0.002lb	0.01lb	0.02lb	0.02lb	0.1lb
Relative value	±0.5%								
Load cell installation	load cell inside or outside								

Model	HF-2000	HF-5000	HF-10K	HF-20K	HF-50K	HF-100K	HF-200K	HF-500K	HF-1000K
Max load	2000N	5000N	10KN	20KN	50KN	100KN	200KN	500KN	1000KN
	200kg	500kg	1000kg	2000kg	5000kg	10000kg	20000kg	50000kg	100000kg
	440lb	1100lb	2200lb	4400lb	11000lb	22000lb	44000lb	110000lb	220000lb
Load graduation value	1 N	1N	0.005kN	0.01kN	0.01kN	0.05kN	0.1kN	0.1kN	0.5kN
	0.1kg	0.1kg	0.5kg	1kg	1kg	5kg	10kg	10kg	50kg
	0.2lb	0.2lb	1lb	2lb	2lb	10lb	20lb	20lb	100lb
Relative value error	±0.5%								
Load cell installation	load cell outside								