

ALGOL-JISC

Handy Digital Force Gauge



Order No	HF-1		HF-2		HF-5	
	Max Load	Min Resolution	Max Load	Min Resolution	Max Load	Min Resolution
	1.000 kgf 1000 gf 10 N 2.204 lbf	0.001 kgf 0.1 gf 0.001 N 0.001	2.000 kgf 2000 gf 20.00 N 4.408 lbf	0.001 kgf 1 gf 0.01 N 0.001 lbf	5.000 kgf 5000 gf 50.00 N 11.02 lbf	0.001 kgf 1 gf 0.01 N 0.01 lbf
Unit	kgf, gf, lbf, N					
Accuracy	0.2 % of F.S					
Repeatability	0.1% of F.S					
Response	Variable, 10 to 32 Hz					
Display	4 Digit LCD					
A/D Converter	16 Bit					
Calculation Device	8 Bit CPU C-MOS Type					
Allowable Load	150% of F.S.					
Data Output	Mitutoyo, Centronics, RS-232C (Optional items required if non-Mitutoyo devices are used).					
Analog Output	+/- 2V F.S					
Continuous Operation Time	Approx. 10 hrs (25 degree C when fully charged)					
Charging Time	Approx. 6 hrs (Circuit preventing over-charging is built-in)					
Operation Temperature	0 to 40 degree C					
Power	Ni-cad Battery , A/C Adapter is also used as charging source					
Dimension	230x65x35 mm					

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HF SERIES

The HF series is used not only for load measurements but also for a variety of tests including switch test. Connector's insertion/withdrawal test and break-down test. In addition, low-cost centronics interface which enables printing of measured data and statistical data through portable printer is also available.

Features

• High resolution

1/10000 resolution (1kgf, 10kgf, 100kgf type) which is not found in common hand held models.

• Memory function, Battery backup

Can memorize 512 unit testing data at most.

• Printing of inspection report

Inspection report can be printed in portable printer through Centronics Interface.

Statistical processing

Automatic calculation and printing of standard deviation and process capability index.

Insertion withdrawal measurement

Peak data under compression and peak data under tension can be done in one measurement.

Mode setting

The HF series function not only act as a force gauge but is also designed to perform a variety of other measurements. In performing other measurements, mode setting enhances measurement efficiency.

High functionality

UnitChange: gf, kgf, N ,lbf.

Measurement is possible during contact point hold (for switches normally open or normally close).

Digimatic output.

RS-232C (Cable is optional)

Analog output (2V F.S)

Auto memory with auto reset

comparator with upper and lower limit tolerance setting.

Peak hold with Break-Down detection.

continous operation by monitored charging function.

More than 8 hours of battery life.

Auto power OFF that is energy saving.

Overload alarm output.

Order No	HF-10		HF-20		HF-50		HF-100	
	Max Load	Min Resolution	Max Load	Min Resolution	Max Load	Min Resolution	Max Load	Min Resolution
	10.00 kgf 10000 gf 100.00 N 22.04 lbf	0.001 kgf 1 gf 0.01 N 0.01 lbf	20.00 kgf ---- 200.0 N 44.08 lbf	0.01 kgf ---- 0.1 N 0.01 lbf	50.00 kgf ---- 500 N 110.2 lbf	0.01 kgf ---- 0.1 N 0.1 lbf	100.00 kgf ---- 1000.0 N 220.4 lbf	0.01 kgf ---- 0.1 N 0.1 lbf
Unit	kgf, gf, lbf, N							
Accuracy	0.2 % of F.S							
Repeatability	0.1% of F.S							
Response	Variable, 10 to 32 Hz							
Display	4 Digit LCD							
A/D Converter	16 Bit							
Calculation Device	8 Bit CPU C-MOS Type							
Allowable Load	150% of F.S.							
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Power	Ni-cad Battey , A/C Adapter is also used as charging source							
Dimension	230x65x35 mm							

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