



HF-100 Handy Digital Force Gauge Technical specification

Machine appearance picture:



Product description:

HF series digital electronic tension gauge is a lightweight, easy to operate, easy to carry, and high precision multipurpose quality control test tension gauge. Test items: pressure, plug force, breaking force, bending force, stripping force, extension force, hardness, pulling force tensile strength, switch contact, etc.;

Main specifications:

Model	HF-100
Max. Load	1000N,100kgf, 220.4lbf
Min. read value	0.1N,0.01kgf,0.1 lbf
Unit	Kgf, gf, lbf, N
Precision	±0.2% of F.S (full scale)
Response sensitivity	Adjustable from 10 to 320Hz in 6 segments
Display mode	Four-digit liquid crystal display
A/Dconverter	16-bit bytes are transformed one by one



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Computing element	8-bit central processing unit (CPU) , C - MOS type
Allow the load	150% of F.S (full scale)
Data output	RS-232C (The choose and buy a)
Analog output	$\pm 2V$ F.S
Continuous operating time	About 10 hours (when sufficient power is used at 25°C)
Charging time	About 6 hours (designed with overload proof charging module)
Operating temperature	0°C~40°C
Power	Rechargeable nickel-cadmium batteries, A/C transformers can also be used
Dimensions	230*65*35mm

Parts pictures:



Hf series special probe



Hf special battery



Hf special transformer

Applicable items:

- spring, telephone, computer, remote control, connector;
- glass, carbon, ceramics, plastics and other new materials;
- Sheet, round rod, wood, tape, PCB, adhesive tape, rubber new material;
- pills, fruits, lipsticks, cosmetics, etc.
- cans, terminals, wires, copper wires, switches, etc.;



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product features:

- after setting the upper and lower tolerance values, the upper and lower tolerance are compared automatically and sound signals are given;
- the machine can store 256 (512) test data, and output (with automatic memory storage function);
- standard peak value, plug and pull test, plug and pull pressure and tension peak value, contact signal value, printer type selection, N value of the setting area and other functions can be easily set;
- has the accuracy of $\pm 0.2\% \text{F.S.}$ and $\pm 0.1\% \text{F.S.}$, and achieves the full scale of 10kgf. The minimum reading value is 1/10000 resolution of 0.1gf. Peak value of pressure, tension (insert, pull out) can be measured simultaneously in one operation;
- in order to save power and protect the machine, it can be set to automatically shut down for 01~99 minutes (battery mode);

Standard configuration:

- HF host set;
- HF series have one set of probe with different shapes;
- HF series special transformers;
- signal output line;
- one extension rod;
- one package, one instruction book in both Chinese and English, one certificate each;

Equipment warranty and service:

1. The whole machine enjoys one year free service (except consumables);
2. In case of failure, respond within 2 hours and deal with it on site within 24 hours;
3. No maintenance fee will be charged after the expiration of service, and only the corresponding part cost will be charged;
4. Free consultation and lifelong maintenance;