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0-100 N Digital Force Gauge, 0.01N

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0-100N digital force gauge for sale online with the resolution 0.01N, operating temperature 0-40°C, show update 10 times/ sec. The force gauge with RS232 computer interface/ software for data download and analysis.

SKU: SISCO-DFG-100N

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Overview

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Overview

High-resolution digital push pull gauge featuring 0-100N measuring range, 3 measurement units, kg (kilogram), lb (list), and N (Newton), are available for selection and mutual conversion. The digital display has a high resolution, fast sampling speed, and is easy to use. It is a new generation of high-efficiency and high-precision push-pull test instruments.

Note: This device does not have the ability to connect to a computer to transfer data or perform other operations.

- High precision and high resolution of digital force meter
- There are five test modes and three display modes to choose from—to maximize test efficiency
- Three measurement units, N/KGF/LBF, are available for selection and mutual conversion
- Gravity acceleration value setting function -The user can input the exact value of the gravity acceleration of the place of use. Make tests and unit conversions more accurate



- Peak hold function, keep the peak display until manually cleared
- Automatic peak value function, keep displaying the peak value for 2 seconds and then release it automatically
- The upper and lower limits and comparison values can be set for statistical analysis, and the buzzer will alarm if the comparison value is exceeded
- The data storage function can store 128-bit test values
- Green and environmentally friendly, it will automatically shut down if there is no operation in 10 minutes
- High-quality charging power supply, the charging voltage is available from 100V to 240V, which can be adapted to most areas at home and abroad. There are also short circuit, leakage, and overload protection functions
- 2 sets of installation dimensions, suitable for most testing machines at home and abroad, convenient for users to install on the machine for use
- The unique switch contact on-off force test function makes the switch on-off force test more accurate

Applications

SISCO digital force gauge is suitable for push-pull load test in industries such as electronic appliances, light industry textiles, construction hardware, lighters and ignition devices, fire-fighting equipment, pens, locks, fishing gear, power machinery, scientific research institutions, etc.



Electronic appliances



Light industry textiles



Construction hardware



Fire-fighting equipment



Fishing gear



Power machinery

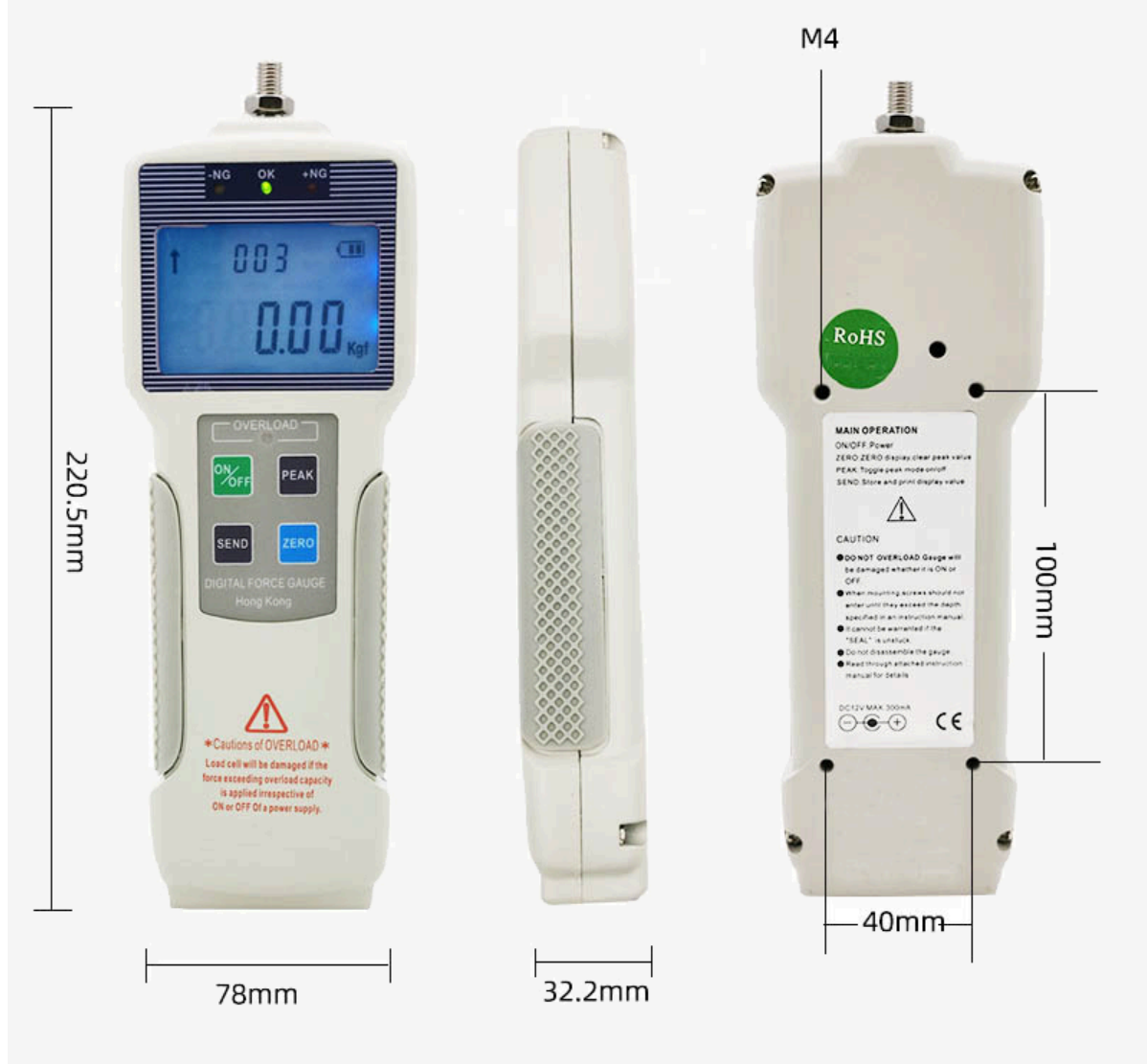
Specs

- **Model:** SISCO-ZP-100
- **Range:** 0-100 N
- **Resolution:** 0.01N

- **Display:** 100N
- **Display Unit:** N/KGF/LBF
- **Size:** 78*32.2*220.5mm

- **Operating Temperature:** 0-40°C
- **Show Update:** 10 times/sec
- **Weight:** 500g

Dimension (mm)



FAQs

Q1: What is a digital force gauge?

A1: The digital force gauges are force-measuring devices with built-in load cells and are used to measure compression, tension, peel, or the coefficient of friction.

Q2: What does a force gauge measure?

A2: A Force Gauge is a measuring instrument used across all industries to measure the force during a push or pull test. Applications exist in research and development, laboratory, quality, production, and field environment. There are two kinds of force gauges today: mechanical and digital force gauges.

Q3: How do you read a force gauge?

A3: The switch is usually located on the face of the tool. Remember that tension (a pulling force) will be displayed as a positive number. Compression (a pushing force) will be displayed as a negative number.

Tips: How to maintain the digital force gauge?

- Always keep the digital force gauge clean to prevent water, dust, corrosive gases, etc. from intruding into the machine, so as not to affect the normal operation of the push-pull gauge.
- When the surface of the digital force gauge is stained with dirt or dust, please wipe it with a wrung wet cloth. Do not use liquid or spray cleaners, so as not to corrode the surface of the casing and flow into the machine to corrode mechanical components.
- Please place the digital force gauge in a stable place to prevent damage caused by collision, scratch or drop.
- Please use the digital force gauge in the specified ambient temperature (10°C ~ 40°C) and relative humidity below 80%, and there should be no vibration or other interference sources that affect the test results.

Otherwise, the test result may not meet the required accuracy level or the instrument may malfunction.

- It should be stored in a ventilated, dry place without corrosive gas. The temperature of the warehouse is (-20 ~ 50) °C, and the relative humidity is not more than 90%.

Warranty

Thank you for buying industrial test and measurement equipment on [SISCO.com](https://www.sisco.com), all products sold by SISCO and the partner cover a **12 months** warranty, effective from the date of receiving the products.

What is covered?

SISCO is responsible for providing free spare parts, and free technical support to assist the customer to repair the defective products until the problem is solved.

What is not covered?

- Product purchased from anyone other than a SISCO store or a SISCO authorized reseller.
- Expendable parts.
- Routine cleaning or normal cosmetic and mechanical wear.
- Damage from misuse, abuse or neglect.
- Damage from use of parts other than SISCO approved.
- Damage from use outside the product's usage or storage parameters.
- Damage from use of parts not sold by SISCO.
- Damage from modification or incorporation into other products.
- Damage from repair or replacement of warranted parts by a service provider other than a SISCO authorized service provider.
- Damage caused by the application environment not meeting the product usage requirements and the failure to perform preventive maintenance.

1 review(s)

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Willian

3/27/2023 1:58 AM

The great digital force gauge

I recently purchased the digital force gauge for my research laboratory and I have been blown away by its performance. It is lightweight and easy to handle, yet it provides precise measurements every time. The data

storage function is also very helpful in keeping track of my experiments.



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