

Digital PUsH Tension Meter

◆ Product Description

The digital force gauge is specifically designed to measure push-pull forces within the range of 50-500N. Suitable for various industrial testing and quality control scenarios, it serves as an ideal tool for mechanical performance testing of small and medium-sized products.



- High-Precision Measurement Capability
- Intelligent Peak Measurement System
- Multifunctional Testing System
- Data Management and Output
- Ergonomic and Durable Design

◆ Product Structure

- The digital force gauge adopts a metal housing design, with a high-precision strain gauge sensor as the core. Composed of a main control chip, signal processing circuit, and communication module, it forms the circuit control system equipped with an LCD screen and a multifunctional key panel, it supports the collection, processing, display, storage, and export of force signals.

◆ Typical Product Data and Physical Properties

Housing Material: Aluminum Alloy
 Key Material: Silicone Rubber
 Display Screen Material: Tempered Glass
 Dimensions: L228mm × W36mm × H66mm
 Measurement Range: 50-500N
 Accuracy Class: Class 0.5
 Resolution: 0.1N
 Settling Time: ≤1 Second
 Overload Capacity: 120%FS

Availability:

Item#	Model	Weight
1.5.07.11.0029	SH-500	1kg

◆ Typical Applications

- The digital force gauge is widely used in medium-force testing such as key pressing force, insertion and extraction force, and tensile/compressive strength in industries including electronic and digital products, smart home appliances, automotive components, and light industrial daily necessities. It is also suitable for laboratory R&D and batch quality inspection scenarios on production lines.

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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