

Digital Force Gauge



Model: FM-207

Applications

The digital force gauge is a kind of simple and convenient functional instrument for high-accuracy push force and pull force test. It is widely used in electronics, building hardware, textile, auto parts, ignition device such as lighter, fire fighting equipment, pen manufacturing, lock manufacturing, fishing gear, chemical, power machinery, scientific research institutions and other industries.

Features

- * High accuracy and high resolution.
- * Digital display with no guessing or errors.
- * With 4 measurement unit for selection, N, kg, lb, g.
- * With peak value hold function.
- * Can memorize 99 groups of data.
- * With 10 minutes auto power off and manual power off.
- * Either alkaline battery Power supply or 6V DC power.
- * Use USB cable or Bluetooth adapter for data output.

Specification And Application Of Accessories

| Accessory | Structure Diagram | Applications |
|----------------------------|-------------------|--|
| Pulling Hook | | To hang tested objects when testing pulling force. |
| Flat Tip | | To test thrust of flat surface or convex surface. |
| Cone Tip | | To test thrust of flat surface, concave surface or circular hole. |
| V-shaped Groove Tip | | To test thrust of cylindrical surface or the edge of perpendicular planes. |
| V-shaped Wedge Tip | | To test thrust of flat surface or groove surface. |
| Lengthening Connection Rod | | It is used in the situation when the measurement tip is not long enough. |

Specifications

| Model | FM-207-1K | FM-207-2K | FM-207-5K | FM-207-10K | FM-207-20K | FM-207-50K | FM-207-100K |
|----------------------|--|-----------|-----------|------------|------------|------------|-------------|
| Force Range | ± 1kgf | ± 2kgf | ± 5kgf | ± 10kgf | ± 20kgf | ± 50kgf | ± 100kgf |
| | ± 1000gf | ± 2000gf | ± 5000gf | | | | |
| | ± 9.8N | ± 19.6N | ± 49N | ± 98N | ± 196N | ± 490N | ± 980N |
| | ± 2.2Lbf | ± 4.4Lbf | ± 11Lbf | ± 22Lbf | ± 44Lbf | ± 110Lbf | ± 220Lbf |
| Resolution | 0.001kgf | 0.001kgf | 0.001kgf | 0.001kgf | 0.01kgf | 0.01kgf | 0.01kgf |
| | 1gf | 1gf | 1gf | | | | |
| | 0.01N | 0.01N | 0.01N | 0.01N | 0.1N | 0.1N | 0.1N |
| | 0.001Lbf | 0.001Lbf | 0.01Lbf | 0.01Lbf | 0.01Lbf | 0.1Lbf | 0.1Lbf |
| Accuracy | ± 0.2%FS ± 1Digit | | | | | | |
| Unit | kgf, gf, N, Lbf | | | | | | |
| Measurement State | Peak Value Measurement, Real Time Measurement | | | | | | |
| Display | 2 Reversed 4 Digit LCD | | | | | | |
| Power Off | 10 Minutes Auto Power Off, Manual Power Off | | | | | | |
| Backlight | Blue Backlight | | | | | | |
| Safe Load | 150%FS (Buzzer Alarm Over 110%FS) | | | | | | |
| Data Output | USB, Bluetooth | | | | | | |
| Power Supply | 2x1.5 AA(UM-3) Battery or 6VDC Power Supply | | | | | | |
| Operating Conditions | Temperature: 0~40°C | | | | | | |
| Surrounding | Humidity: <80% | | | | | | |
| Weight | No Vibration Source or Corrosive Medium Around | | | | | | |
| Size | 390 g | | | | | | |
| | 211x80x36 mm | | | | | | |

Accessories

| | | |
|----------------------|----------------------------|-----------|
| Standard Accessories | Digital Force Gauge | |
| | Pulling Hook | |
| | Flat Tip | |
| | Cone Tip | |
| | V-shaped Groove Tip | |
| | V-shaped Wedge Tip | |
| | Lengthening Connection Rod | Screw Rod |
| | | Cap Nut |
| | Manual | |
| | Carrying Case | |
| Optional Accessories | CD | |
| | USB Data Cable | |
| | Bluetooth Adapter | |
| | Power Adapter | |
| | Force Gauge Stand | |