

## 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	