

Welding Pressure Gauge

Product Descriptions

Our latest type of microelectronic digital display instrument. It has the input end of a dynamometer (pressure) and a weight transducer (weight) strain gauge. It is used in the latest static and dynamic measurement systems, such as material test machines, printing machines, test benches and automatic equipment. Up to $\leq \pm 0.02\%$ measurement precision, can be used in the quality test system, for the first batch or the second batch of samples for testing, To proceed to a general calibration. The measurement system consists of A modular component, specifically a long-term stable modular component, a thermal drift transmission frequency feeder for a reduced system, and a 16-bit A/D converter guaranteeing 65.000 internal division.

Product Features

- High accuracy and high resolution. Digital display with no guessing or errors.
- With 3 measurement unit for selection and conversion, N, kg, lb.
- With peak value hold function.
- With 10 minutes auto power off and manual power off.
- Power can be supplied by either alkaline battery or 5V DC power.



Product Specifications

Model	WPG-104-10KG		WPG-104-100KG		WPG-104-1000KG	
Force Range	$\pm 10\text{kgf}$		$\pm 100\text{kgf}$		$\pm 1000\text{kgf}$	
	$\pm 98\text{N}$		$\pm 980\text{N}$		$\pm 9800\text{N}$	
	$\pm 22\text{Lbf}$		$\pm 220\text{Lbf}$		$\pm 2200\text{Lbf}$	
Resolution	0.01kgf (<100kgf)	0.01kgf (<100kgf)	0.01kgf (<100kgf)	0.01kgf (<100kgf)	0.01kgf (<100kgf)	0.01kgf (<100kgf)
	0.1kgf ($\geq 100\text{kgf}$)	0.1kgf ($\geq 100\text{kgf}$)	0.1kgf ($\geq 100\text{kgf}$)	0.1kgf ($\geq 100\text{kgf}$)	0.1kgf ($\geq 100\text{kgf}$)	0.1kgf ($\geq 100\text{kgf}$)
	0.01kgf (<100kgf)	0.1N (<1000N)	0.1N (<1000N)	0.1N (<1000N)	0.1N (<1000N)	0.1N (<1000N)
	0.1kgf ($\geq 100\text{kgf}$)	1N ($\geq 1000\text{N}$)	1N ($\geq 1000\text{N}$)	1N ($\geq 1000\text{N}$)	1N ($\geq 1000\text{N}$)	1N ($\geq 1000\text{N}$)
Accuracy	0.1Lbf (<1000Lbf)	0.1Lbf (<1000Lbf)	0.1Lbf (<1000Lbf)	0.1Lbf (<1000Lbf)	0.1Lbf (<1000Lbf)	0.1Lbf (<1000Lbf)
	1Lbf ($\geq 1000\text{Lbf}$)	1Lbf ($\geq 1000\text{Lbf}$)	1Lbf ($\geq 1000\text{Lbf}$)	1Lbf ($\geq 1000\text{Lbf}$)	1Lbf ($\geq 1000\text{Lbf}$)	1Lbf ($\geq 1000\text{Lbf}$)
Unit	$\pm 0.2\%FS \pm 1\text{Digit}$					
Measurement State	kgf, N, Lbf					
Display	Peak Value Measurement, Real Time Measurement					
Power Off	Lcd					
Backlight	10 Minutes Auto Power Off, Manual Power Off					
Safe Load	Blue Backlight					
Power Supply	150%FS (Buzzer Alarm Over 110%FS)					
Operating Conditions	2x1.5 AA(UM-3) Battery or 5V DC Power Supply					
Surrounding	Temperature: 0~40°C					
	Humidity: <80%					
Size	No Vibration Source or Corrosive Medium Around					
	Main Unit: 175x80x36mm Sensor: 268* ϕ 44.6mm					