

### Measuring principle

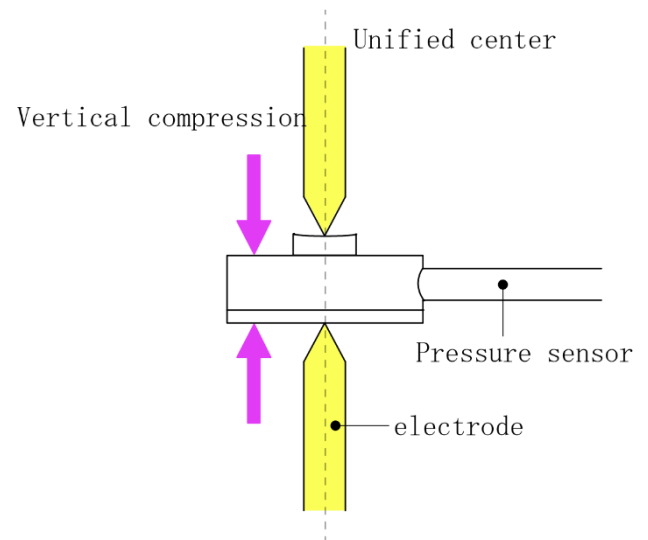
This instrument has a pressure gauge and strain gauge as the input sensor to measure the pressure applied by electrodes of a spot-welding machine.

### Applications

Spot welding machine uses electrical resistance welding process to join overlapping metals between two electrodes. The pressure applied by electrodes is a critical parameter to make sure proper welding result, and this meter can measure that pressure to verify proper working of the spot-welding machine. Useful in material test machines, printing machines, test benches of automatic equipment, welding industry, etc. measuring pressure between two pointed systems.

### Features

- Various models from 10kgf(100N) – 5000kgf(49,000N)
- Long, flexible sensor allows for easy placement and measurement in narrow spaces
- Max data hold
- Convertible measurement units: N, kg, lb
- Battery or external power supply



**Technical Specifications**

<b>Model</b>	<b>Metrix+ WPM 10 – WPM 5K</b>
<b>Range</b>	WPM 10 – $\pm 10\text{kgf}$ / 98N WPM 100 – $\pm 100\text{kgf}$ / 980N WPM 1K – $\pm 1000\text{kgf}$ / 9800N WPM 5K – $\pm 5000\text{kgf}$ / 49,000N
<b>Resolution</b>	<100kgf: 0.01kgf, < 1000N: 0.1N $\geq 100\text{kgf}$ : 0.1kgf, $\geq 1000\text{N}$ : 1N
<b>Accuracy</b>	$\pm 0.5\%$ FS $\pm 1$ digit
<b>Units</b>	Kgf, N, lbf
<b>Safe load</b>	150% FS (buzzer alarm over 110% FS)
<b>Power</b>	2 x 1.5V AA batteries or 5V DC power supply
<b>Features</b>	Max hold, backlit display, low battery indication, auto power off
<b>Operating</b>	Temp: 0~40C, Humidity <80% RH
<b>Dimensions</b>	175 x 80 x 36mm, approx. 390g Sensor size: 268mm x (dia)44.6mm
<b>Surrounding</b>	No vibrating source or corrosive medium
<b>Std accessories</b>	Main unit, sensor, manual, case

