

## Conversion Table of SI/CGS Units

Item	Current unit	Conversion rate	SI unit to be used
Load	kgf	9.80665	N
Stress	kgf/cm <sup>2</sup>	0.0980665	MPa、(N/mm <sup>2</sup> )
Modulus of elasticity	kgf/cm <sup>2</sup>	0.0980665	MPa
Impact strength	kgf·cm/cm	9.80665	J/m
Torque	kgf·cm	0.0980665	N·m
Viscosity	poise	0.1	Pa·s
Pressure	atm	101.325	kPa
Calorie	kcal	4.18605	kJ
Thermal conductivity	$\frac{\text{kcal}}{\text{m}\cdot\text{h}\cdot^{\circ}\text{C}}$	1.16279	$\frac{\text{W}}{\text{m}\cdot^{\circ}\text{C}}$
Linear expansion	$\frac{\text{cm}}{\text{cm}\cdot^{\circ}\text{C}}$	—	1/°C
Volume resistivity	Ω·cm	0.01	Ω·m
Dielectric breakdown strength	kV/mm	—	MV/m

-: no conversion necessary