

C2G1-A Series - Load Cell for Electronic Scale



Features

- Middle capacity load cell.
- Suitable for thin weighing scale. OIML certification.

Specifications

Rated capacity : 58.84 N {6 kgf} ~ 490.3 N {50 kgf}
Safe overload : 150 %R.C.
Ultimated overload : 200 %R.C.
Rated output : 2 mV/V±0.2 mV/V
Non-linearity : 0.015 %R.O.
Hysteresis : 0.015 %R.O.
Repeatability : 0.02 %R.O.
Creep : 0.02 %R.O. /20 min
Creep recovery : 0.02 %R.O. /20 min
Recommended excitation : 12 V or less
Maximum excitation : 20 V
Zero balance : ±0.1 mV/V
Input resistance : 420 Ω ± 5 Ω
Output resistance : 350 Ω ± 5 Ω
Insulation resistance : 2 000 MΩ or more (DC50 V) (between bridge and body)
Compensated temp. range : - 10 °C ~ 50 °C
Safe temp. range : - 10 °C ~ 50 °C
Temp. effect on zero balance : 0.04 %R.O./10 °C
Temp. effect on output : 0.012 %LOAD/10 °C
Cable : φ3.2, 4-cores shielded 40 cm cable directly attached.
Protection grade : IP64
Material : Aluminium

< Table of Parts No. >

(Unit : mm)

Parts No.	Rated Capacity	Displacement	Natural Freq. (Hz)	Weight (Approx.g)
C2G1-6K-A	58.84 N {6 kgf}	0.62	220	200
C2G1-10K-A	98.07 N {10 kgf}	0.53	295	
C2G1-12K-A	117.7 N {12 kgf}		323	
C2G1-15K-A	147.1 N {15 kgf}		360	
C2G1-20K-A	196.1 N {20 kgf}		0.65	
C2G1-25K-A	245.2 N {25 kgf}	417		
C2G1-30K-A	294.2 N {30 kgf}	455		
C2G1-35K-A	343.3 N {35 kgf}	493		
C2G1-50K-A	490.3 N {50 kgf}	0.67	540	

Outlines

