



SPECIFICATIONS

Load Cell for Electronic Scale

LOAD CELL
BCL-300G~3K

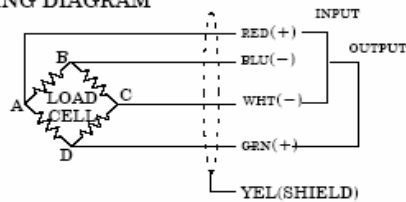
Spec. No. EN214081A

1/2

- **Performanc**
 - Rated capacity : 2.942 N {300 gf}~29.42 N {3 kgf}
 - Safe overload : 200 %R.C.
 - Ultimate overload : 300 %R.C.
 - Rated output : 0.9 mV/V±0.1 mV/V
 - Non-linearity : 0.02 %R.O.
 - Hysteresis : 0.02 %R.O.
 - Repeatability : 0.02 %R.O.
 - Creep : 0.02 %R.O./20 min
- **Electrical**
 - Excitation, recomended : 10 V or less
 - Excitation, at maximum : 15 V
 - Zero balance : ±0.4 mV/V
 - Input resistance : 420 Ω ⁺²⁰/₋₂₀ Ω
 - Output resistance : 350 Ω ±5 Ω
 - Insulation resistance (between bridge and main body) : 2 000 MΩ or more.(DC 50 V)
- **Temperature**
 - Temperature range, compensated : 0 °C to 40 °C
 - Temperature range, safe : -10 °C to 50 °C
 - Temperature effect on zero balance : 0.04 %R.O./10 °C
 - Temperature effect on output : 0.02 %LOAD/10 °C
- **Cable** : φ 3, 4-cores shielded 40 cm cable directly attached, cable ends is separated.
- **Class of protection** : Equivalent to IP64 (Main body only.)
- **Material of element** : Aluminium alloy
- **Durability** : 10⁶ times with rated load applied.

Note) R.O. means Rated Output and also R.C. means Rated Capacity.
Polarity of output will become plus(+) when the direction of compression load is applied.
If polarity change is required, change wiring of blue and green.

WIRING DIAGRAM



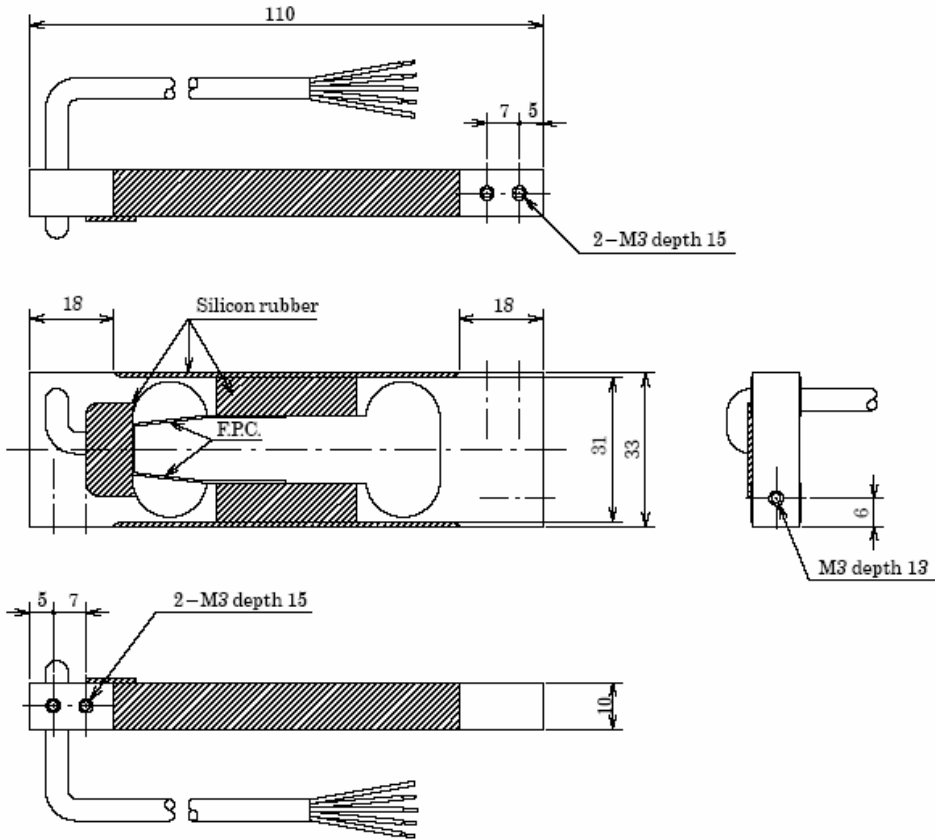
Composition	
Main body	1

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2/2



Tables for P/No.

Unit : mm

P/N	Rated capacity	Rated displacement	Natural frequency(Hz)	Weight (Approx. g)
BCL-300G	2.942 N(300 gf)	0.25	80	70
BCL-600G	5.884 N(600 gf)	0.25	100	70
BCL-1.2K	11.77 N(1.2 kg)	0.25	200	70
BCL-3K	29.42 N(2 kgf)	0.25	400	70

Specifications and outline dimensions and so on which have printed may subject to change for the purpose of improvement without notice.



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