

Model DBCM Series

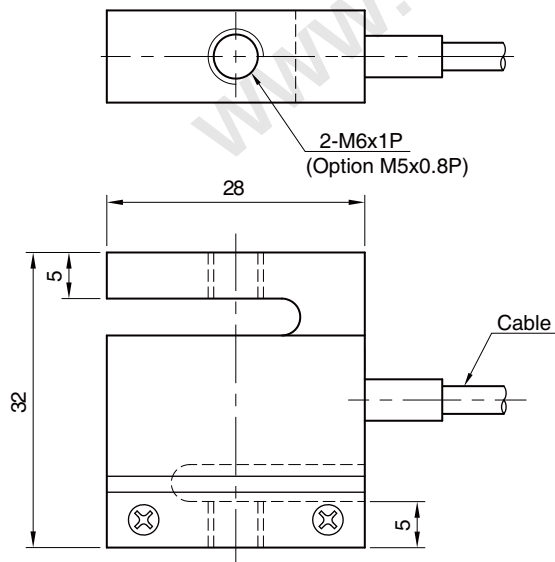
Tension & Compression
Miniature Load Cell (10kg ~ 100kg)

- High accuracy(1/2000)
- Sealded to IP64



SPECIFICATIONS

MODEL	DBCM	
Rated capacity (R.C.)	10, 20, 30kg	50, 100kg
Material	Aluminum	Stainless Steel
Rated output(R.O.)	2.0mV/V $\pm$ 10%	
Non-linearity	$\leq 0.05\%$ R.O.	
Hysteresis	$\leq 0.05\%$ R.O.	
Non-repeatability	$\leq 0.03\%$ R.O.	
Creep error	$\leq 0.05\%$ in 20min.	
Zero balance	$\leq 1\%$ R.O.	
Compensated temperature range	-10 ~ 70°C	
Operating temperature range	-20 ~ 80°C	
Temp. effect on rated output	$\leq 0.03\%$ LOAD/10°C	
Temp. effect on zero balance	$\leq 0.03\%$ R.O./10°C	
Terminal input resistance	420 $\pm$ 20 Ohms	400 $\pm$ 20 Ohms
Terminal output resistance	350 $\pm$ 5 Ohms	350 $\pm$ 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC	
Excitation voltage	5V(Recommended), 10V(Max.)	
Electrical connection	$\phi 3\text{mm} \times 1.5\text{m}$ (28AWG x 4Core Shielded)	
Protection class	meets IP 64	
Safe overload	150% R.C	
Ultimate overload	300% R.C	

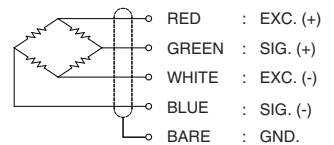


ORDERING INFORMATION

DBCM - 50

MODEL	CAPACITY
DBCM	10, 20, 30, 50, 100kg

WIRING INFORMATION



Dimension-mm

* Specifications are subject to change without notice

AUG, 2012

BONGSHIN LOADCELL CO., LTD.