

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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LOADCELL TYPE CB17-600G~3K-11

SPECIFICATIONS

●PERFORMANCE

Rated capacity(R.C.)	: 5.884 N { 600 gf }, 9.807 N { 1 kgf }, 19.61 N { 2 kgf }, 29.42 N { 3 kgf }
Safe overload	: 300 %R.C.
Ultimate overload	: 400 %R.C.
Rated output(R.O.)	: 1 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.
Creep recovery	: 0.02 %R.O./20 min.

●ELECTRICAL

Recommended excitation	: 10 V less than
Maximum excitation	: 15 V
Zero balance	: ±0.05 mV/V
Input terminal resistance	: 400 Ω ~ 450 Ω
Output terminal resistance	: 345 Ω ~ 355 Ω
Insulation resistance (bridge-body)	: 2000 MΩ or more (DC 50 V)

●TEMPERATURE

Compensated temperature range	: -10 ℃ to 50 ℃
Safe temperature range	: -10 ℃ to 50 ℃
Temperature effect on zero balance	: 0.04 %R.O./10 ℃
Temperature effect on output	: 0.012 %LOAD/10 ℃

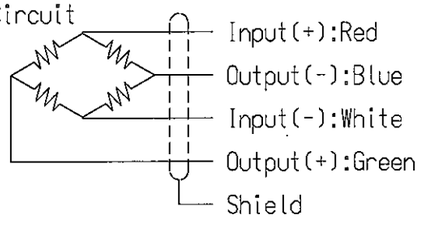
●INFLUENCE OF ECCENTRIC LOAD

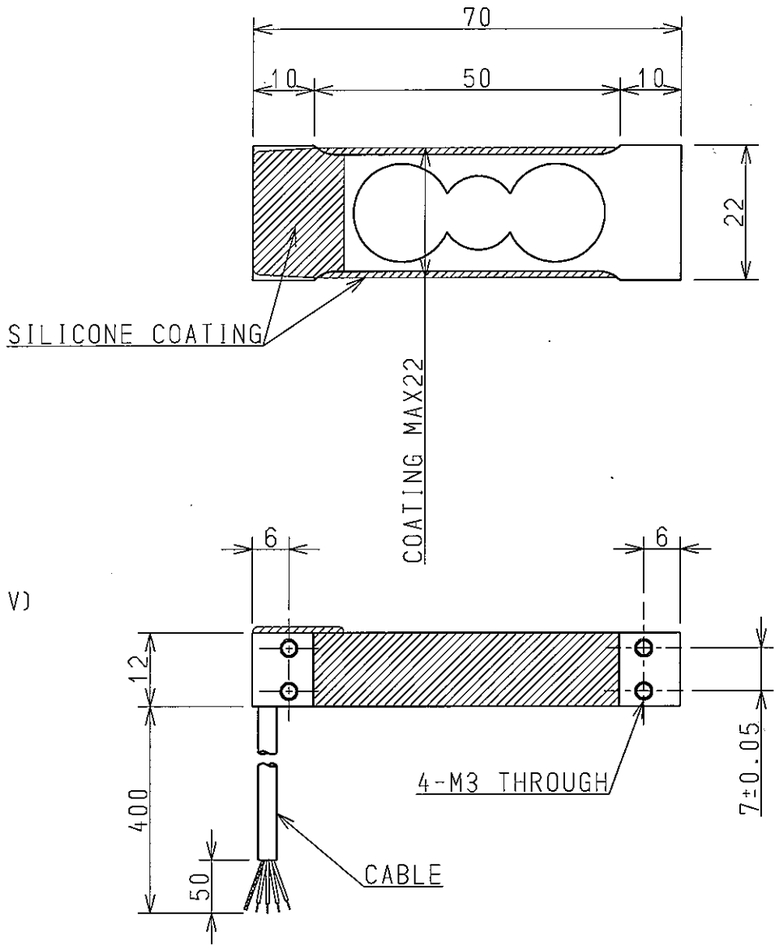
Max size of the loading plate	: 200 mm×200 mm
The center of loading plate	: Be sure to adjust of loading plate to the center of load cell.
Measuring accuracy	: Accuracy within 0.02%R.O. with 1/2 of rated load applied at 50 mm from center.

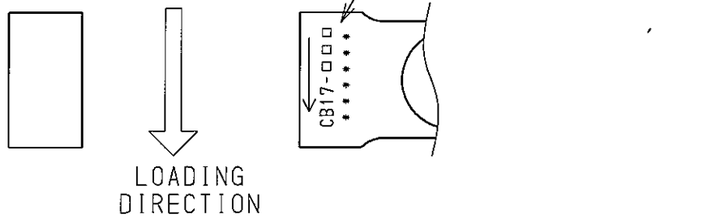
●THE OTHERS

Cable	: φ3.2 4core shield (CAB-504) 40 cm
IP level	: IP64 (A)

●Circuit







《TYPE TABLE》

TYPE	RATED CAPACITY	RATED DISPLACEMENT	NATURAL FREQUENCE (Hz)	WEIGHT (approx g)
CB17-600G-11	5.884 N { 600 gf }	0.17	200	40
CB17-1K-11	9.807 N { 1 kgf }	0.17	290	40
CB17-2K-11	19.61 N { 2 kgf }	0.17	410	40
CB17-3K-11	29.42 N { 3 kgf }	0.17	500	40

公布	
K	
S	
T	
F	

符号 MARK	日付 DATE	変更事項 REASON / ECN NO.	担当 ENGINEER	承認 APPROVED
A	2009.1.7	KN09-0006	S.UCHI	

ミネベア株式会社
MINEBEA CO.,LTD.
計測機器事業部

APPROVED	CHECKED	DRAWN
A.MUROHASHI	T.KIMURA	A.Yoshida

単位 UNIT mm
尺度 SCALE Free

一般公差 TOL	寸法 L	公差
	L≦4	±0.1
	4<L≦16	±0.2
	16<L≦63	±0.3
	63<L≦250	±0.5
	250<L≦1000	±0.8
	角度 DEG	±0.5

材質 MATERIAL: -
表面粗さ SURF.ROUGH.: -
熱処理 HEAT TREAT.: -
表面処理 FINISH: -

作成日 DATE 2004.1.17
品名 DESCRIPTION: OUTLINE
品番 PART NO.(MODEL NO.): CB17-600G~3K-11
葉番SHEET: /
図番 DRAWING NO.: KT51855-2
改訂 REV.: A

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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