

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 : 2000 MΩ or more (DC 50 V)
 (bridge-body)

●TEMPERATURE

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

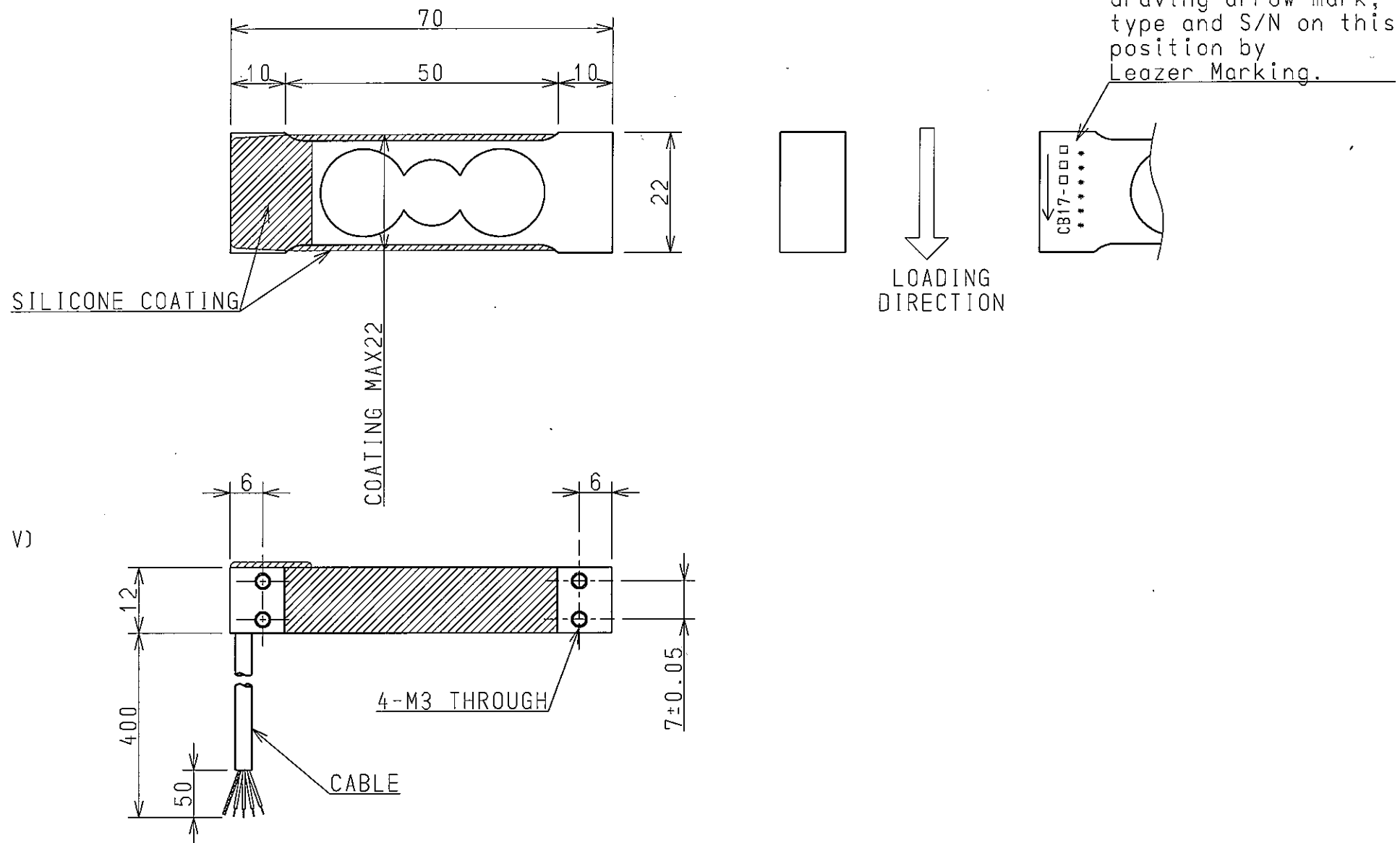
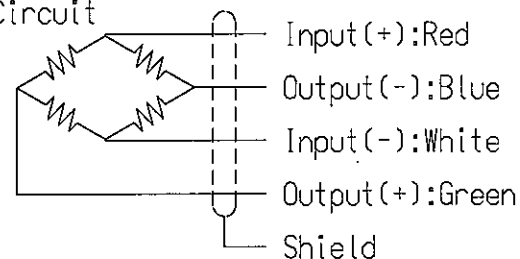
●INFLUENCE OF ECCENTRIC LOAD

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 Δ

●Circuit



《TYPE TABLE》

TYPE	RATED CAPACITY	RATED DISPLACEMENT	NATURAL FREQUENCY (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

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				ミネベア株式会社 MINEBEA CO.,LTD. 計測機器事業部			単位 UNIT mm 尺度 SCALE Free	材質 MATERIAL - 表面粗さ SURF.ROUGH. - 熱処理 HEAT TREAT. -	作成日 DATE 2004.1.17 品名 DESCRIPTION OUTLINE
				APPROVED	CHECKED	DRAWN	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	品番 PART NO.(MODEL NO.) 葉番 SHEET CB17-600G~3K-11 /	
A	2009.1.7	KN09-0006	S.UCHI	承認	承認	承認	表面処理 FINISH -	図番 DRAWING NO. 改訂 REV. KT51855-2 / A	
符号 MARK	日付 DATE	変更事項 REASON	ECN NO.	担当 ENGINEER	承認 APPROVED	承認 APPROVED			