

LOADCELL TYPE CB004-10K CB004-15K
 CB004-20K CB004-25K
 CB004-30K CB004-35K
 CB004-45K CB004-60K
 CB004-100K

SPECIFICATIONS

●PERFORMANCE

Rated capacity(R.C.) : 98.07 N {10 kgf} ,147.1 N {15 kgf}
 196.1 N {20 kgf} ,245.2 N {25 kgf}
 294.2 N {30 kgf} ,343.2 N {35 kgf}
 441.3 N {45 kgf} ,588.4 N {60 kgf}
 : 980.7 N {100 kgf}

Safe overload : 150 %R.C.
 Ultimate overload : 200 %R.C.
 Rated output(R.O.) : 2 mV/V±0.2 mV/V $\triangle B$
 Non-linearity : 0.015 %R.O.
 Hysteresis : 0.015 %R.O.
 Repeatability : 0.02 %R.O.
 Creep : 0.02 %R.O./20min
 Creep recovery : 0.02 %R.O./20min

●ELECTRICAL

Recommended excitation : 12V LESS THAN
 Maximum excitation : 20 V
 Zero balance : ±0.1 mV/V
 Input terminal resistance : 400 Ω to 450 Ω
 Output terminal resistance : 350 Ω ±5 Ω
 Insulation resistance : 2000 M Ω or more(DC50V)

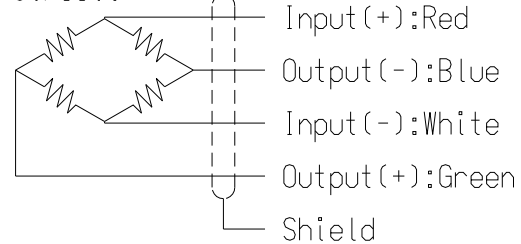
●TEMPERATURE

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

●THE OTHERS

Cable : ϕ 3.2 4core shield 40cm
 $\triangle C$ IP level : IP64
 Material of Element : ALUMINUM ALLOY
 Weight : approx 350 g
 $\triangle A$ Surface Treatment : ALUMITE

●Circuit



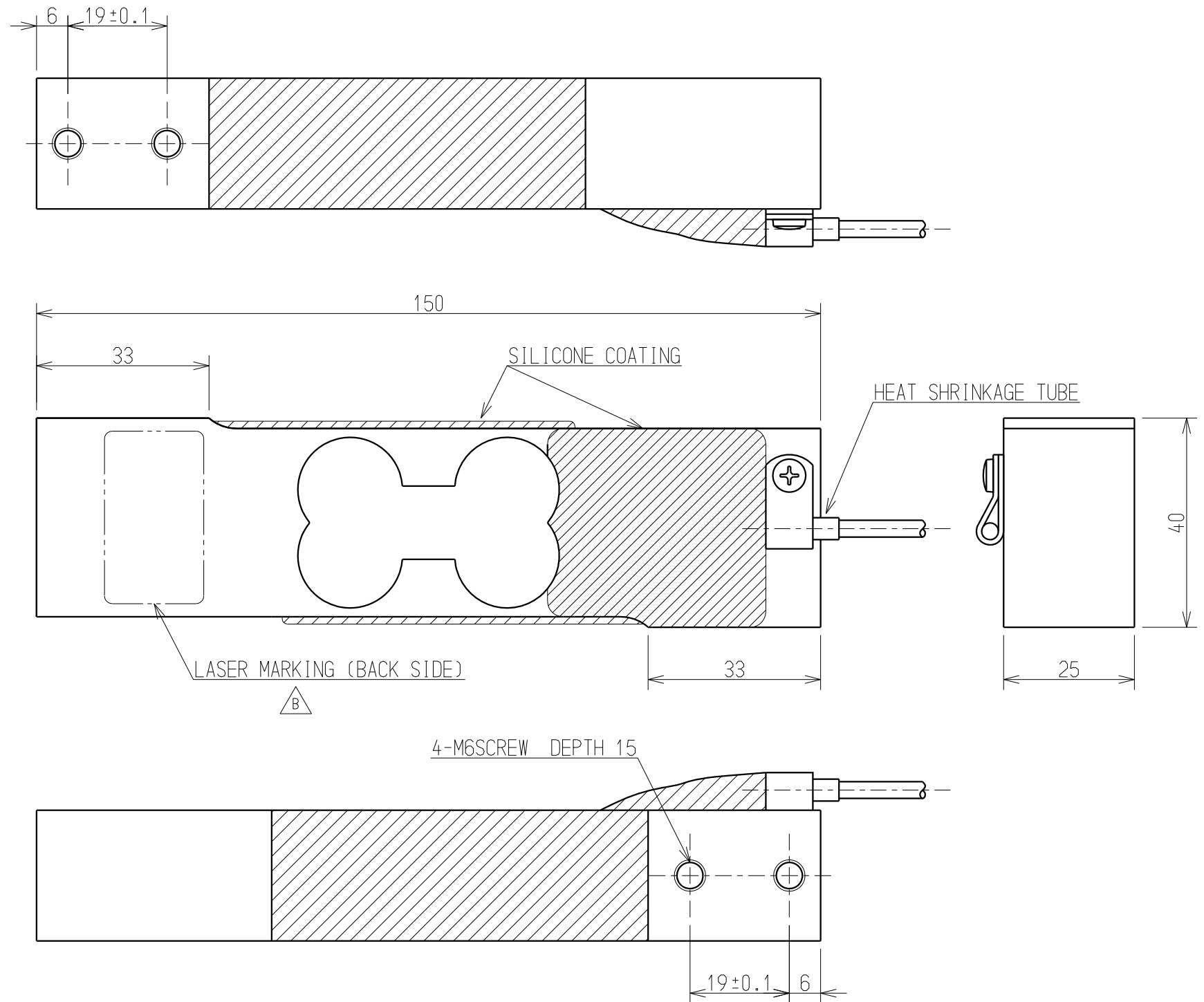
●Eccentric error

Size of loading plate : Max. 400 mm×400 mm

Installation

: Be sure to adjust center of loading plate to center of load cell.

$\triangle B$ Accuracy : ACCURACY WITHIN 0.01%R.O. WITH 1/2 RATED LOAD APPLIED AT 100mm FROM CENTER.



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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	材質 MATERIAL	作成日 DATE	2004.1.6	
						尺度 SCALE	Free	-	表面粗さ SURF.ROUGH.	品名 DESCRIPTION
C	2009.1.13	KN09-0014			一般公差 差 TOL	寸法 L	公差	-	品番 PART NO.(MODEL NO.)	葉番 SHEET
B	2005.11.03	KN05-0392				<L≤4	±0.1	熱処理 HEAT TREAT.	CB004-10K to 100K	/
A	2004.12.22	KN04-0425				4<L≤16	±0.2	-	図番 DRAWING NO.	改訂 REV.
符号 MARK	日付 DATE	変更事項 REASON	ECN NO.			63<L≤250	±0.5	表面処理 FINISH	KT51828-2	C
						250<L≤1000	±0.8	-		
						角度 DEG	±0.5	-		