

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)

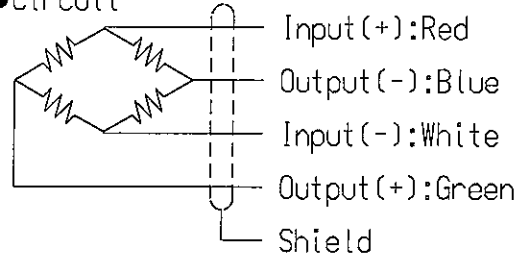
●TEMPERATURE

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



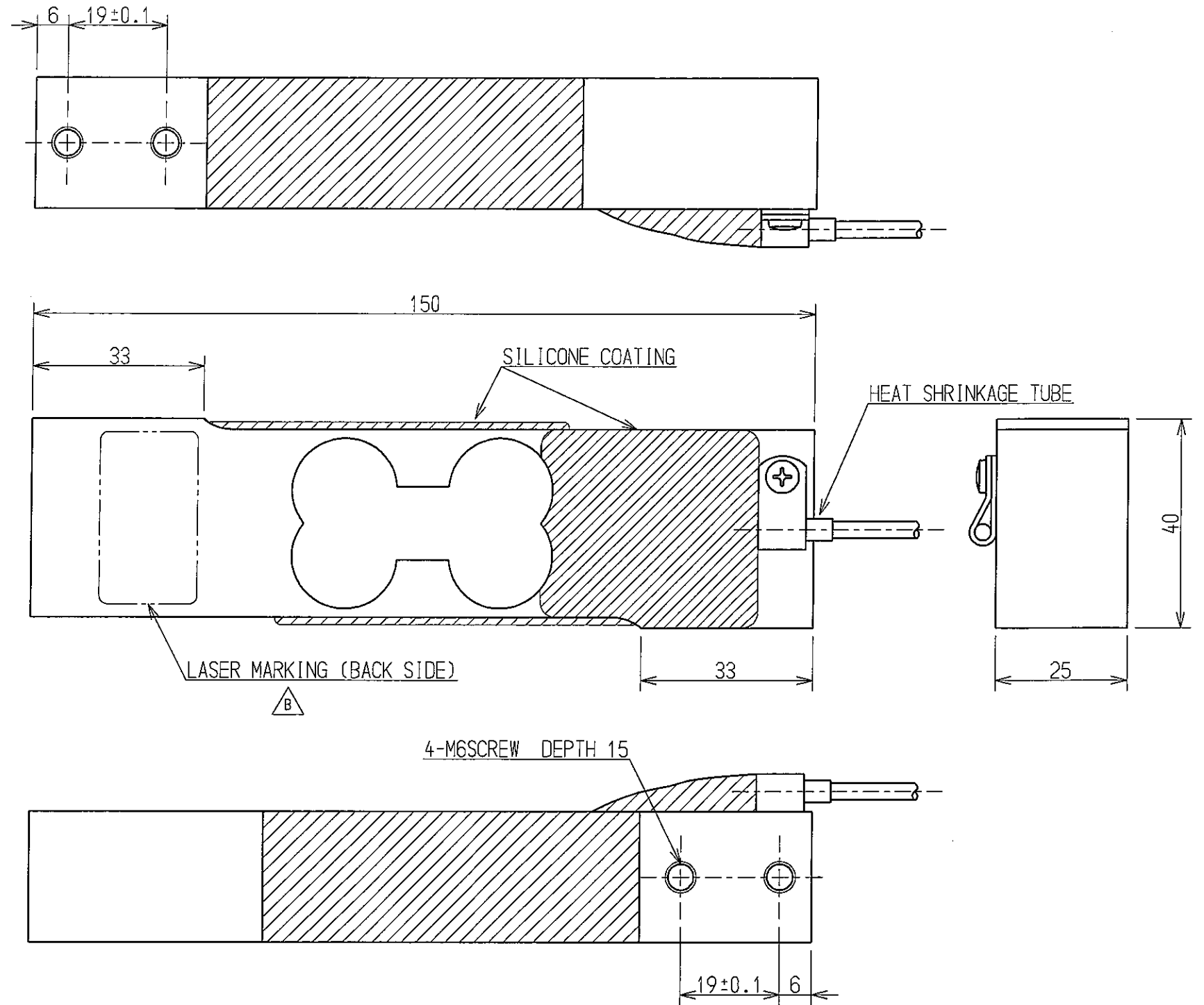
●Eccentric error

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 mm 尺度 SCALE Free	材質 MATERIAL - 表面粗さ SURF.ROUGH. - 熱処理 HEAT TREAT. - 表面処理 FINISH -	作成日 DATE 2004.1.6 品名 DESCRIPTION OUTLINE
C	2009.1.13	KN09-0014	S.UCHI	A.MURO	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.) CB004-10K to 100K	葉番 SHEET /
B	2005.11.03	KN05-0392	KIMURA	A.MURO					図番 DRAWING NO. KT51828-2	改訂 REV. C
A	2004.12.22	KN04-0425	UWATOKO	A.MURO						
行号 MARK	日付 DATE	変更事項 REASON	ECN NO.	担当 ENGINEER	承認 APPROVED	A.MURCHASHI	T.KIMURA	A.Yoshida		