

LOADCELL TYPE CB14-100K~500K-21 $\triangle F$

SPECIFICATIONS

● PERFORMANCE

Rated capacity(R.C.) : 980.7 N { 100 kgf },
 1.471 kN { 150 kgf }, $\triangle H$
 2.452 kN { 250 kgf },
 2.942 kN { 300 kgf },
 4.903 kN { 500 kgf } $\triangle F$

Safe overload : 150 %R.C.
 Ultimate overload : 200 %R.C.
 Rated output(R.O.) : 2.2 mV/V \pm 0.11 mV/V
 Non-linearity : 0.02 %R.O.
 Hysteresis : 0.02 %R.O.
 Repeatability : 0.02 %R.O.
 Creep : 0.02 %R.O./20min
 Creep recovery : 0.02 %R.O./20min

● ELECTRICAL

Recommended excitation : 12 V or less
 Maximum excitation : 20 V
 Zero balance : \pm 0.11 mV/V
 Input terminal resistance : 405 Ω \pm 10 Ω
 Output terminal resistance : 350 Ω \pm 5 Ω
 Insulation resistance : 2000 M Ω or more(DC50 V)
 (bridge-body)

● TEMPERATURE

Compensated temperature range: -10 $^{\circ}$ C to 50 $^{\circ}$ C
 Safe temperature range : -10 $^{\circ}$ C to 70 $^{\circ}$ C
 Temperature effect : 0.05 %R.O./10 $^{\circ}$ C
 on zero balance
 Temperature effect : 0.02 %LOAD/10 $^{\circ}$ C
 on output

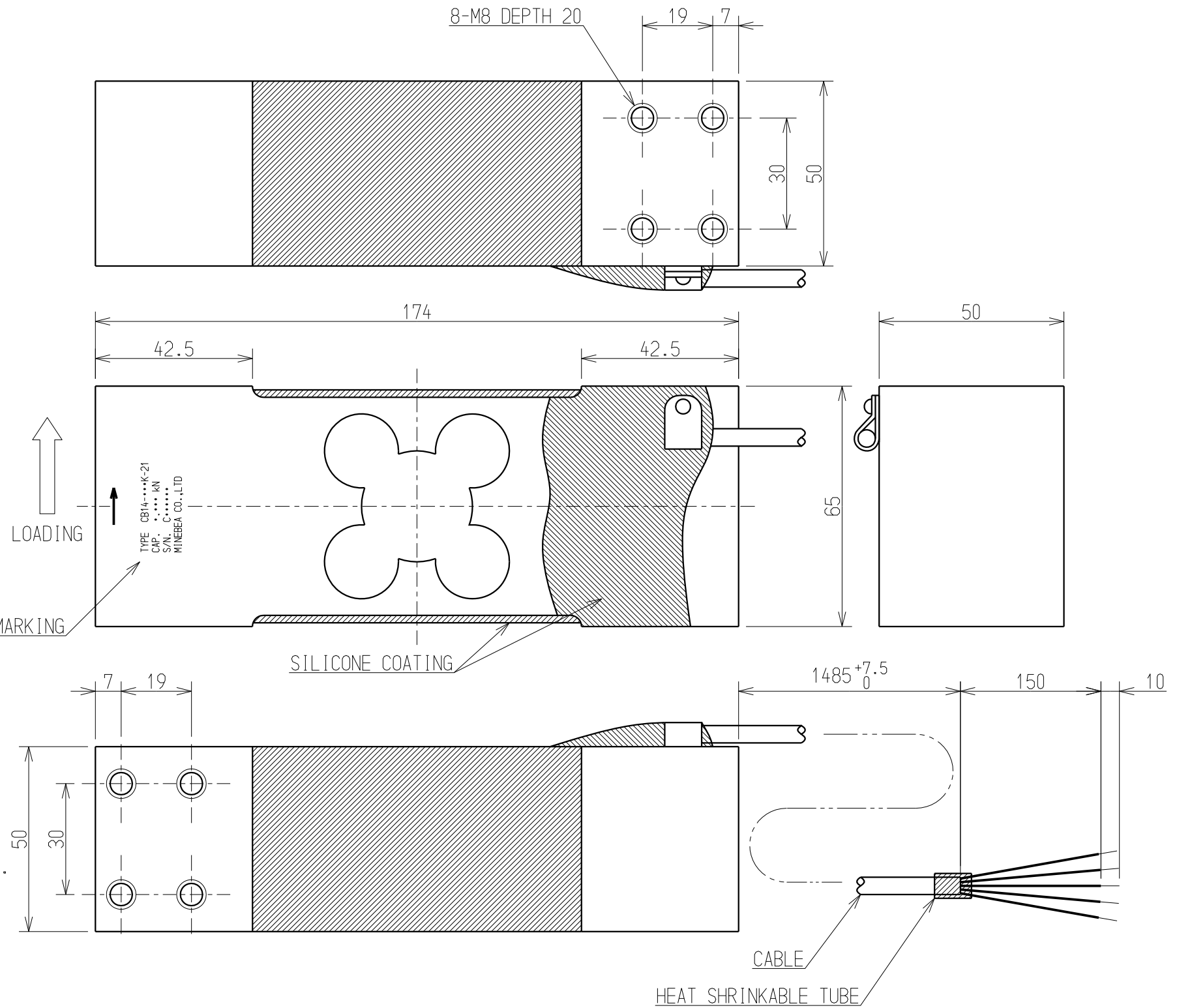
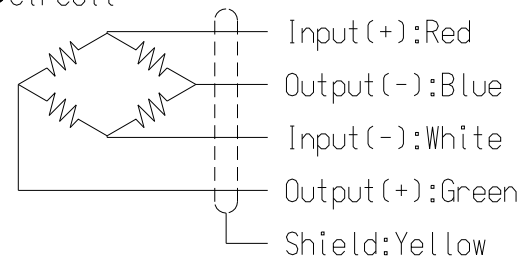
● INFLUENCE OF ECCENTRIC LOAD

Max size of the loading plate: 450 mm \times 600 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 150 mm from center.

● THE OTHERS

Cable : ϕ 4.7 4core shield 164.5 cm
 $\triangle G$ IP label : IP64
 Material of element : ALUMINIUM ALLOY
 Weight : approx 1.3 kg

● Circuit



公布
K
S
T
F

H	2011.6.1	KN11-0179	
G	2009.1.13	KN09-0014	
F	2006.8.10	KN06-0322	
E	2002.11.14	KN02-0402	
符号 MARK	日付 DATE	変更事項 REASON	ECN NO.

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
公差 TOL	
寸法 L	公差
<L \leq 4	\pm 0.1
4<L \leq 16	\pm 0.2
16<L \leq 63	\pm 0.3
63<L \leq 250	\pm 0.5
250<L \leq 1000	\pm 0.8
角度 DEG	\pm 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	2002.11.14
品名 DESCRIPTION	OUTLINE
品番 PART NO.(MODEL NO.)	CB14-100K~500K-21 $\triangle F$
葉番 SHEET	
図番 DRAWING NO.	K507319-2
改訂 REV.	H