

LOADCELL TYPE : CC010-※K,※T  
SPECIFICATIONS

●PERFORMANCE

- Rated capacity(R.C.) : 4.903 kN(500 kg), 9.807 kN(1 tf), 19.61 kN(2 tf), 29.42 kN(3 tf), 49.03 kN(5 tf), 98.07 kN(10 tf), 196.1 kN(20 tf), 294.2 kN(30 tf), 490.3 kN(50 tf)
- Safe over load : 150 %R.C.
- Ultimate over load : 200 %R.C.
- Rated output(R.O.) : 2.0 mV/V±0.002 mV/V
- Precision : 0.04 %R.O. (Non-linearity, Hysteresis, and Repeatability are include.)
- Creep : 0.03 %R.O./20 min
- Recovery : 0.03 %R.O./20 min

●ELECTRICAL

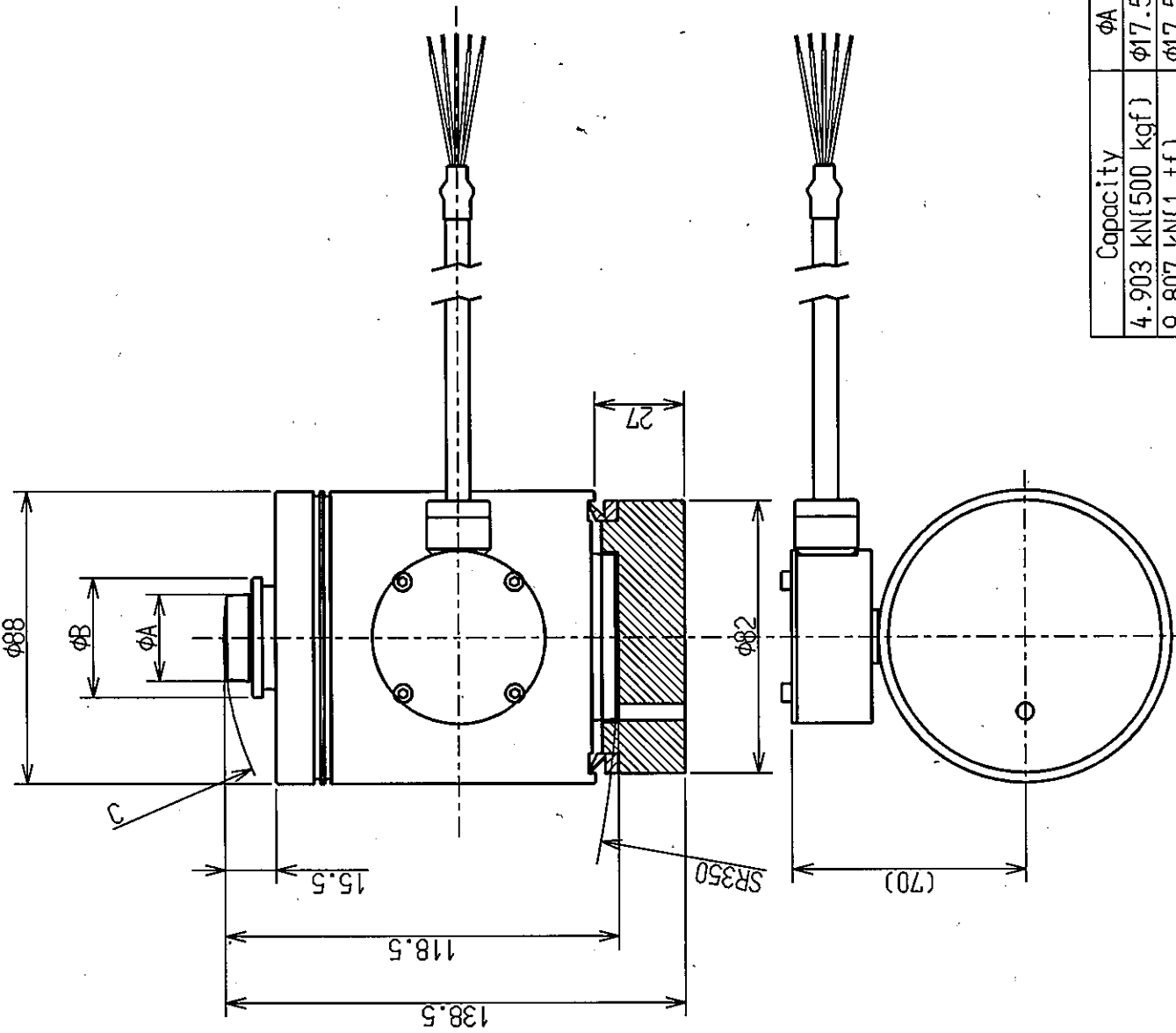
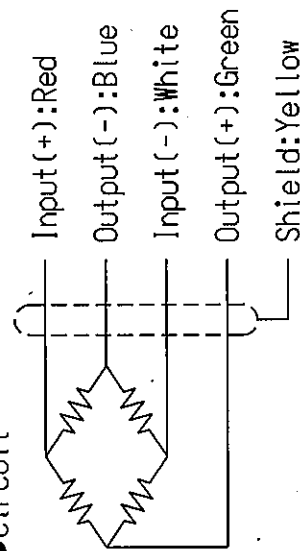
- Recommended excitation : 12 VDC
- Maximum excitation : 20 VDC
- Zero balance : ±0.02 mV/V
- Input terminal resistance : 700 Ω±7 Ω
- Output terminal resistance : 700 Ω±5 Ω
- Insulation resistance : 5000 MΩ(50 VDC)

●TEMPERATURE

- Compensated temperature range : -10 °C to 50 °C
- Safe temperature range : -20 °C to 70 °C
- Temperature effect on zero balance : 0.028 %R.O./10 °C
- Temperature effect on output : 0.03 %LOAD/10 °C

●THE OTHERS

- Cable : SHIELD 4C D7.0 5m for 500kg to 3tf
- IP Class : SHIELD 4C D7.0 10m for 5tf to 50tf
- Material : Equivalent to IP68 (except cable)
- Mass : Stainless Steel
- Circuit : Approx. 5kg



Capacity	φA	φB	Unit
4.903 kN(500 kgf)	φ17.5	φ27	SR50
9.807 kN(1 tf)	φ17.5	φ27	SR50
19.61 kN(2 tf)	φ26	φ36	SR100
29.42 kN(3 tf)	φ26	φ36	SR100
49.03 kN(5 tf)	φ45	φ54	SR100
98.07 kN(10 tf)	φ45	φ54	SR150
196.1 kN(20 tf)	φ45	φ54	SR150
294.2 kN(30 tf)	φ45	φ54	SR150
490.3 kN(50 tf)	φ50	φ58	SR150

公布	
K	
S	
T	
F	

符号 MARK	日付 DATE	承認事項 REASON	ECN NO.	担当 ENGINEER	承認 APPROVED

ミネベア株式会社  
MINEBEA CO.,LTD.  
計測機器事業部

APPROVED CHECKED DRAWN

FEI FUKU R. Sakai

単位 UNIT	mm
尺厚 SCALE	Free
寸法 L	公差
一般	±0.1
公差	±0.2
公差	±0.3
公差	±0.5
公差	±0.8
公差	±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 2005.10.20  
品名 DESCRIPTION  
OUTLINE  
品番 PART NO.(MODEL NO.) 兼番 SHEET  
CC010-※K,※T  
図番 DRAWING NO.  
KT52158-2  
改訂 REV. -