

LOADCELL TYPE UMM1-50K to 2T

SPECIFICATIONS

● PERFORMANCE

- Rated capacity(R.C.) : 490.3 N{50 kgf}
- : 980.7 N{100 kgf}
- : 1.961 kN{200 kgf}
- : 4.903 kN{500 kgf}
- : 9.807 kN{1 tf}
- : 19.61 kN{2 tf}
- Safe overload : 150 %R.C.
- Ultimate overload : 200 %R.C.
- △ Rated output(R.O.) : 2 mV/V±0.01 mV/V(COMPRESSION)
- : -2 mV/V±0.01 mV/V(TENSION)
- Non-linearity : 0.15 %R.O.
- Hysteresis : 0.1 %R.O.
- Repeatability : 0.05 %R.O.

● ELECTRICAL

- Recommended excitation : 12 V or under
- Maximum excitation : 20 V
- Zero balance : ±0.06 mV/V
- Input terminal resistance : 425 Ω±50 Ω
- Output terminal resistance : 350 Ω±5 Ω
- Insulation resistance : 2000 MΩ or more(DC50V)
- (Bridge-Body)

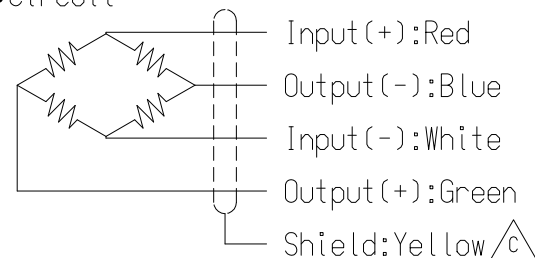
● TEMPERATURE

- Compensated temperature range : -10 ℃ to 70 ℃
- Safe temperature range : -20 ℃ to 80 ℃
- Temperature effect : ±0.05 %R.O./10 ℃
- on zero balance
- Temperature effect : ±0.1 %LOAD/10 ℃
- on output

● THE OTHERS

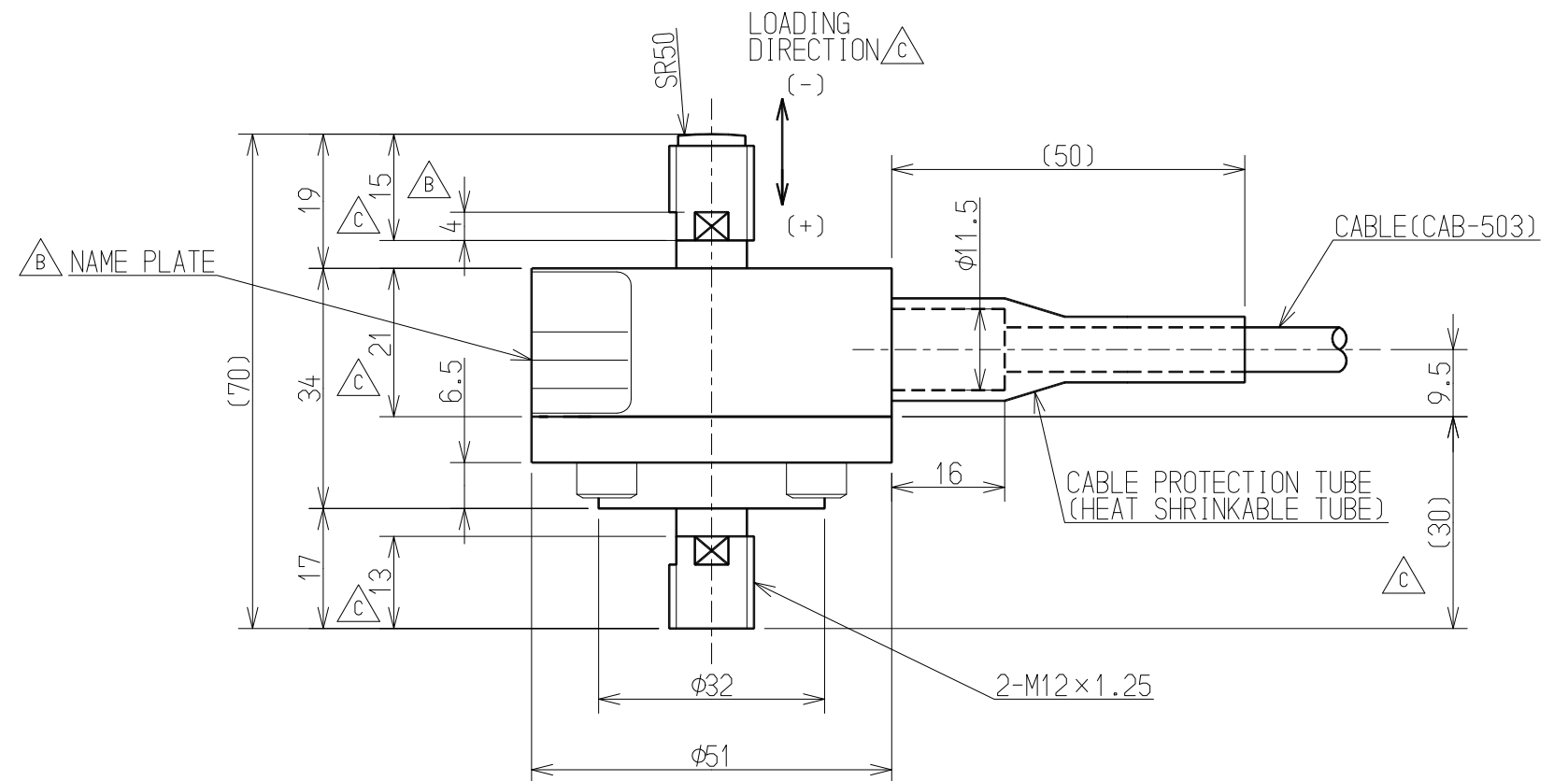
- △ Cable : φ6.3 4core shielded
- : 3m connected Y-terminals
- IP class : IP67
- △ Weight : Applox 0.6 kg
- △ Material : Stainless steel
- △ Fatigue life : 10⁶ under the R.C.
- △ RoHS : Compliant

● Circuit

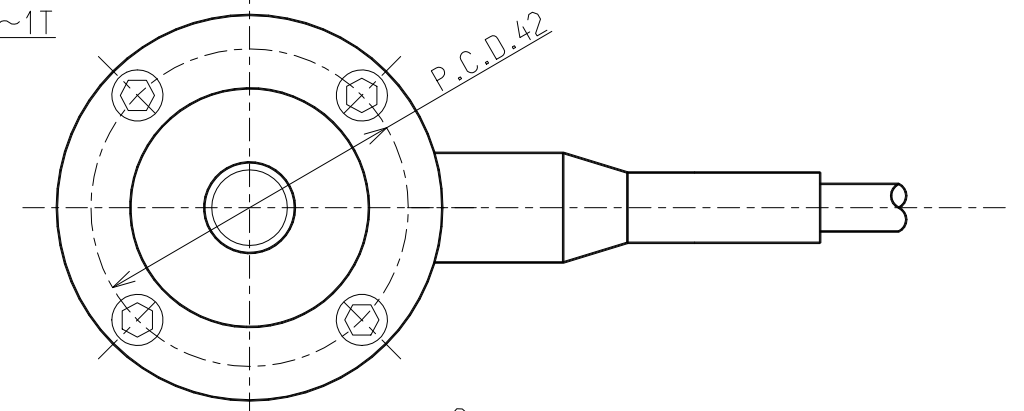


△ <<Accessories>>

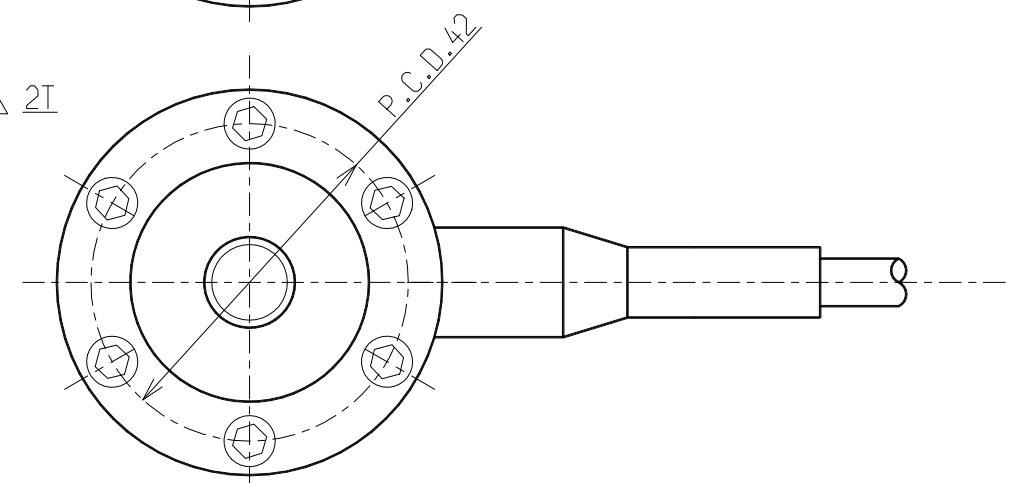
Calibration certificate 1



△ A 50K~1T



△ A 2T



TYPE	Displacement at rated load (mm)	Natural frequency (Hz)
UMM1-50K	0.15	3600
UMM1-100K	0.10	5000
UMM1-200K	0.07	6000
UMM1-500K	0.07	7000
UMM1-1T	0.05	10000
UMM1-2T	0.05	10000

D 2016.3.30 KN16-0150 A.TAKAHASHI F.IDE					ミネベア株式会社 Minebea Co.,Ltd. センシングデバイス事業部 Sensing Device Business Unit			単位 UNIT	材質 MATERIAL	作成日 DATE 2016.03.30			
C 2012.7.24 KN12-0285 T.TATSUTA F.IDE								mm	表面粗さ SURF.ROUGH.	品名 DESCRIPTION			
B 2010.2.26 KN10-0057 T.TATSUTA F.IDE					DIMENSION L TOL <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			熱処理 HEAT TREAT. 表面処理 FINISH		型式 MODEL NAME UMM1-50K to 2T 図番 DRAWING NO. KT51616-2		OUTLINE	
A 2010.1.12 KN10-0007 T.TATSUTA F.IDE												一般公差 TOL	
- 2003.1.14 NEW A.Yoshida F.IDE					承認 APPROVED F.IDE S.UCHIBORI A.Takahashi			改訂 REV. D		承認 APPROVED			
符号 MARK	日付 DATE	変更事項 REASON	ECN NO.	担当 ENGINEER									