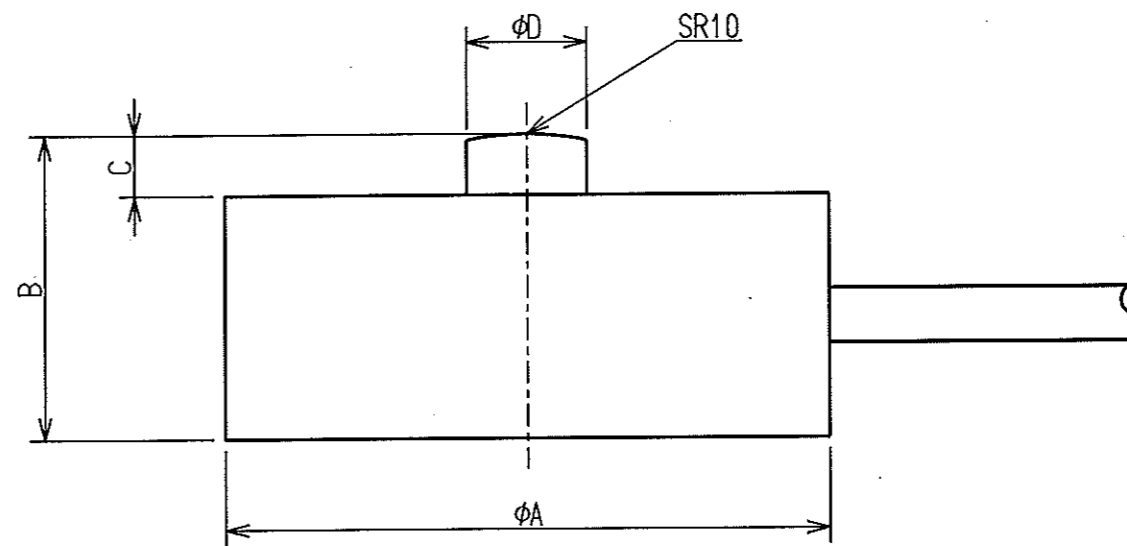


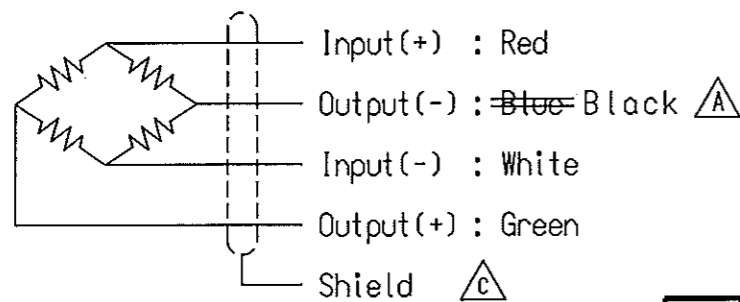
Load cell type
 LSM-500G-B LSM-10K-B
 LSM-1K-B LSM-20K-B
 LSM-2K-B LSM-50K-B
 LSM-5K-B LSM-100K-B

Specifications

- A**
- Loading performance
 - Rated capacity(R.C.) : 4.903 N(500 gf) 98.07 N(10 kgf)
 9.807 N(1 kgf) 196.1 N(20 kgf)
 19.61 N(2 kgf) 490.3 N(50 kgf)
 49.03 N(5 kgf) 980.7 N(100 kgf)
 - Safe overload : 150 %R.C.
 - Ultimate overload : 150 %R.C.
 - Rated output(R.O.) : 1.3 mV/V±0.7 mV/V(1K~100K-B)
 : 0.4 mV/V or more(500G-B)
 - Non-linearity : 1 %R.O.
 - Hysteresis : 1 %R.O.
 - Repeatability : 1 %R.O.
 - Electrical performance
 - Recommended excitation : 5 V
 - Maximum excitation : 8 V
 - △ Zero balance : ±0.2 mV/V
 - Input resistance : 350 Ω±10 Ω
 - Output resistance : 350 Ω±10 Ω
 - Insulation resistance : 1000 MΩ or more (bridge-body)
 - Temperature performance
 - Compensated temperature range : 0 °C to 50 °C
 - Safe temperature range : -10 °C to 60 °C
 - Temperature effect on zero balance : 2 %R.O./10 °C
 - Temperature effect on output : 2 %LOAD/10 °C
 - The others
 - Cable : φ1.8, 4 cores shielded, 3 m
 - Surface finish : Electroless Ni plate (except bottom surface and 500G, 1K, 2K)
 - Fatigue life : 10⁶ times at rated load



C ● Circuit



(Unit : mm)

TYPE	φA	B	C	φD	Mass(Approx. g)	Element material
LSM-500G-B						Aluminum alloy
LSM-1K-B	φ12	4	0.5	φ1	6	
LSM-2K-B						
LSM-5K-B	φ12	4	0.5	φ1	6	Stainless steel
LSM-10K-B	φ15	5	0.5	φ1	10	
LSM-20K-B						
LSM-50K-B	φ20	9.5	1.5	φ2	20	
LSM-100K-B	φ20	9.5	1.5	φ3	22	

公布
K
S
T
○
F

					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	材質 MATERIAL 表面粗さ SURF.ROUGH. 熱処理 HEAT TREAT. 表面処理 FINISH	作成日 DATE 1999.11.19 品名 DESCRIPTION OUTLINE 品番 PART NO.(MODEL NO.) LSM-500G~100K-B 図番 DRAWING NO. KT50922-2	葉番 SHEET 改訂 REV. C
C	2003.11.6	KN03-0589	YOSHIDA	A.MURO	APPROVED	CHECKED	DRAWN	寸法 L	公差		
B	2001.4.3	KN01-0161	KOYAMA	F.IDE				<L≤4	±0.1		
A	2000.01.14	KN00-0016	K.EGUCHI	F.IDE				4<L≤16	±0.2		
符号 MARK	日付 DATE	変更事項 REASON	ECN NO.	担当 ENGINEER	承認 APPROVED	F.IDE	T.Koyama	16<L≤63	±0.3		
								63<L≤250	±0.5		
								250<L≤1000	±0.8		
								角度 DEG	±0.5		