

SPECIFICATION FOR APPROVAL

1. MOVEMENT	:	MOVING COIL TYPE, NON-LINEAR
2. MEASURING RANGE	:	70 DEGREE ($\pm 35^\circ$)
3. DIMENSION	:	SEE ATTACHED DRAWING PAGE
4. METER SCALE MATERIAL	:	PLASTIC
SCALE DRAWING	:	SEE ATTACHED DRAWING PAGE
5. POINTER MATERIAL	:	NICKEL SILVER STRIP
POINTER POSITION	:	CENTRAL NEEDLE TYPE
POINTER WIDTH	:	$0.4\text{mm} \pm 0.05\text{mm}$
POINTER COLOR	:	RED
POINTER LENGTH	:	$9.0\text{mm} \pm 1\text{mm}$ FROM CENTER OF MOVEMENT
POINTER DIRECTION	:	CENTRAL NEEDLE TYPE
7. SCALE	:	PLASTIC
8. RESPONSE TIME	:	FULL SCALE CURRENT IN, TAKE LESS THAN 1 SECOND TO REACH 2/3 SCALE.

B. ELECTRICAL

8. CURRENT SENSITIVITY	:	DC $\pm 300\mu\text{A}$ (15%)
9. INTERNAL RESISTANCE	:	450Ω ($\pm 10\%$)
10. MAX. CURRENT	:	5mA/min.
11. INSULATION RESISTANCE	:	OVER 50M ohm (Plastic meter case)
12. FRICTION TOLERANCE	:	INCREASE CURRENT TO A SET "TEST POINT" THE POINTER TOLERANCE IS WITHIN (\pm) 1m/m. (ASSUME THE CURRENT AT TEST POINTER IS CORRECT.)
13. BALANCE	:	WITHIN THE POINTER WIDTH 0.4m/m VERTICALLY AND HORIZONTALLY ZERO POSITION TOLERANCE IS WITHIN (\pm) 1m/m.
14. OVER CURRENT	:	WITHIN 5 ITEMS OF RATE CURRENT
15. OPERATION TEMP.	:	BETWEEN -20°C AND $+55^\circ\text{C}$
17. + TERMINAL	:	RIGHT SIDE WHEN YOU SEE THE IN FRONT

C. TESTS

18. TERMINAL STRENGTH	:	1 KG STRENGTH, ANGLE FOR 60 SEC.
19. RELIABILITY TEST	:	100,000 TIMES CONTINUOUS CURRENT
20. OVERLOAD TEST	:	10 TIMES FULL SCALE CURRENT IN EVERY 5 SECONDS, REPEAT 9 TIMES (EACH TIME 0.5 SECOND) MAKE SURE ITEM NO. 8~13 SATISFIED.
21. ENVIRONMENT TEST	:	50 °C, 85% HUMIDITY. 100 HOURS, METER SATISFY WITH SPEC
22. VIBRATION TEST	:	1000/min., FULL RANGE VIBRATION 4mm, X, Y, Z 3 DIRECTIONS EACH
23. LAMP	:	WITHOUT LAMP

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1. METER LENS SCRATCHED : METER LEN SCRATCH WOULD NOT BE NOTED
UNLESS THE ANGLE OF VIEW IS CHANGED
2. DOT/DIRT/FOREIGN/SCRAPE MATERIAL
STANDARD (ON SCALEPLATE OR ON LENS) : SCALEPLATE LIMIT SAMPLE SUBMITTED
3. MOULDING PARTS
WELD LINE : THE LINE WOULD NOT BE NOTED UNLESS THE ANGLE
OF VIEW IS CHANGED
SINK MARK : CAN NOT BE NOTED WHEN YOU SEE IN THE FRONT
BURR/FLASHES : CAN NOT BE NOTED WHEN YOU SEE IN THE FRONT
4. PRESS BURR : CAN NOT BE NOTED WHEN YOU SEE IN THE FRONT

