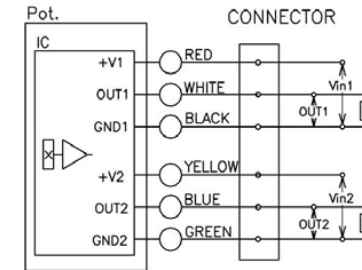
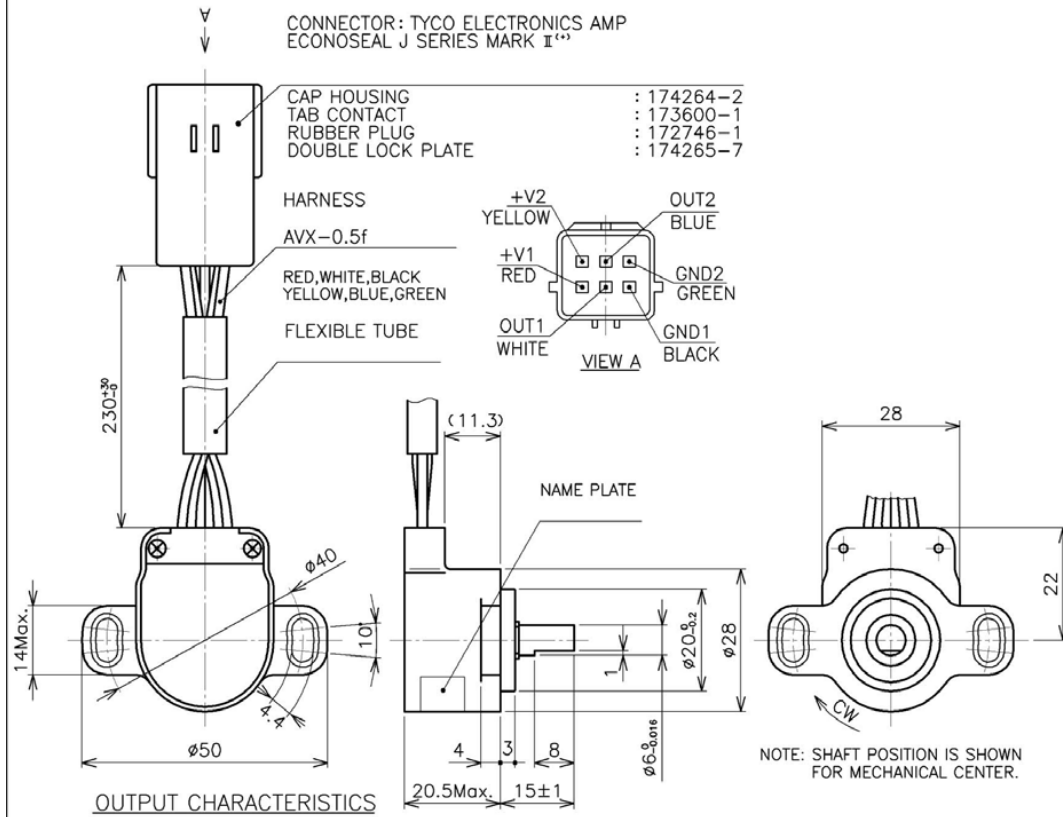


OUTLINE DIMENSIONS

THIS PRODUCT COMPLIES WITH RoHS DIRECTIVE.

SCHEMATIC



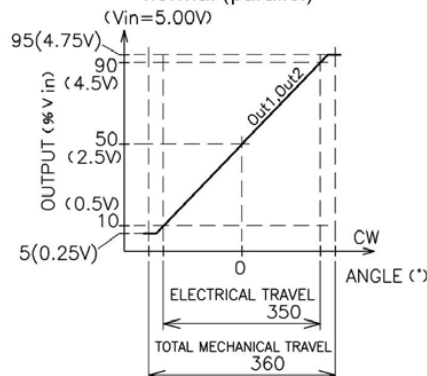
RED, WHITE, BLACK, YELLOW, BLUE AND GREEN INDICATE HARNESS COLORS

SPECIFICATIONS

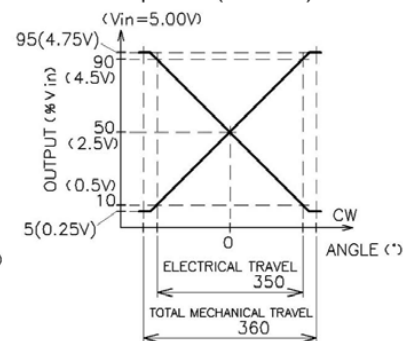
ELECTRICAL TRAVEL	: ±175°
OUTPUT CHARACTERISTIC	: SEE FIGURE
ABSOLUTE LINEARITY	: ±1% FS
HYSTERESIS	: 0.5° MAX.
TEMP. CHARACTERISTIC	: ±0.5% Vin -20 ~ 100°C (REFERENCE TEMP. 25°C)
INPUT VOLTAGE	: 5±0.5 VDC
SUPPLY CURRENT	: 22 mA MAX.
RESOLUTION	: 12bit / 0~100 %Vin
LOAD RESISTANCE	: 10 kΩ MIN.
INSULATION RESISTANCE	: 100 MΩ MIN. DC50V
TOTAL MECHANICAL TRAVEL	: 360° CONTINUOUS
TORQUE	: 180 mN·m MAX.
MASS	: APPROX. 40g
ALLOWABLE RADIAL SHAFT LOAD	: 4 N
ALLOWABLE AXIAL SHAFT LOAD	: 3 N
OPERATING TEMPERATURE	: -20 ~ 100°C
STORAGE TEMPERATURE	: -20 ~ 100°C
VIBRATION	: 110.7 m/s² 18~2000Hz 3AXIS 8h
SHOCK	: 294 m/s² 11ms 3AXIS 3TIMES
ESD	: ±6kV (IEC 61000-4-2)
EMS	: 100V/m 200MHz~1GHz (ISO 11452-2) 100V/m 10MHz~200MHz (ISO 11452-3)
WATER PROOF	: IP65

OUTPUT CHARACTERISTICS

normal (parallel)



optional (crossed)



NOTE

1. AS THIS PRODUCT IS USING "CMOS IC", HANDLING OF HARNESS MUST BE DONE UNDER THE ESD PROTECTION.
2. THIS PRODUCT MAY HAVE EXTERNAL MAGNETIC INFLUENCE OF THE APPARATUS WHICH GENERATES A MAGNETIC FIELD.
3. WHEN THE SHAFT IS COUPLED, PLEASE DO NOT APPLY HEAVY LOAD TO IT.

SPECIFICATION DRAWING				CUSTOMER/SPEC. NO.	
MODEL: CP-2HA					
APPROVED	T. Yamazaki	TOLERANCE	DATE	MIDORI PRECISIONS CO., LTD. DRAWING NO. A-C2H-B28 REV. 0	
CHECKED	T. Yamazaki	10< ±100 ±0.5	14, '10		
DRAWN	Y. YOSHIZAWA	100< ±1.0 ANGLE ±1.5°	1:1 DRAFTING PRACTICE		

REV.	DATE	DESCRIPTION	APPROVED	CHECKED	DRAWN
A.3					

We are here for you. Addresses and Contacts.

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