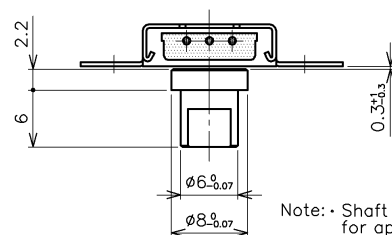
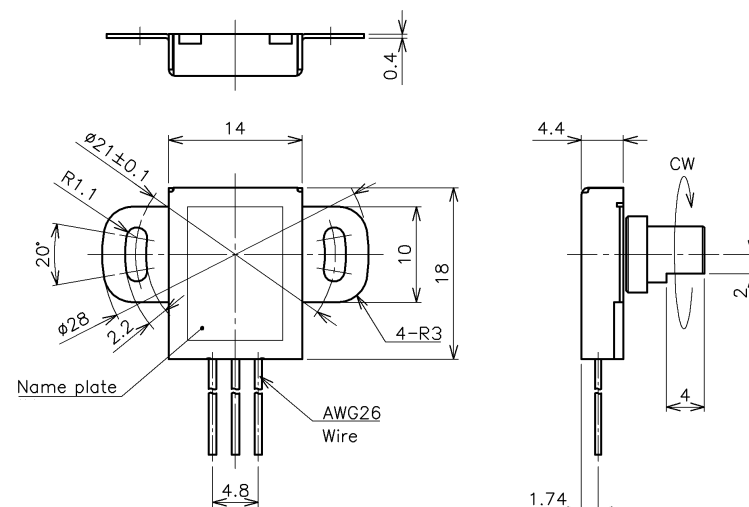


Fig.1

Dimension



Note: • Shaft position is shown for approx. 50%

Fig.2

Output characteristic

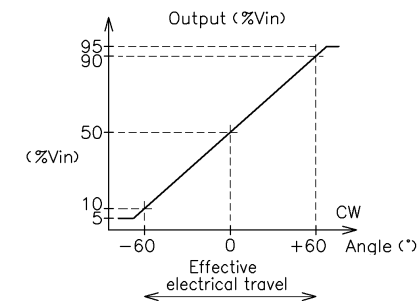
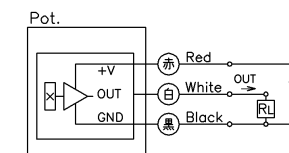


Fig.3

Schematic



• Red, white and black indicate wire colors.

REV	DATE	DESCRIPTION	承認	検閲	作成
A3					

計 画 図		REFERENCE DRAWING		CUSTOMER/SPEC. NO.	
MODEL: CP-1HX-120R0					
承認 APPROVED	山崎	TOLERANCE 一般公差	DATE	2019.03.21	MIDORI PRECISIONS CO., LTD. DRAWING NO. REV.
検 図	山崎	≤ 10 ±0.25	SCALE	2:1	
作成 DRAWN	大滝	10< ≤ 100 ±0.5	DRAWING PRACTICE	⊕ ⊖	
		100< ±1.0			
		ANGLE ±1.5°			
				A-C1H-B33	0

This product compliance with RoHS.Specifications

Output characteristic	: See Fig.2
Effective electrical travel	: $\pm 60^\circ$
Absolute linearity	: $\pm 2\%FS$ ($= \pm 2.4^\circ$) : ($FS = \pm 60^\circ$)
Input voltage	: $DC5V \pm 0.5V$
Load resistance (R _L)	: 10k Ω Min.
Supply current	: 10mA Max.
Insulation resistance	: 100M Ω Min. DC50V (Room temp. and humidity)
Resolution	: 12bit (0~100%Vin)
Hysteresis	: 1%FS Max.
Response time	: 0.9ms MAX. (Electrical delay of output for mechanical input)
Temp. Characteristic	: $\pm 1\%FS$ ($\pm 1.2^\circ$) (Reference temp.+25 $^\circ C$) -40~+85 $^\circ C$
Mass	: Approx. 5g
Harness strength	: Wire tensile 10N, 1minute all wires.
Dimension	: See Fig.1
Schematic	: See Fig.3

Operating temperature range	: -40~+85 $^\circ C$ (No condensation)
Storage temperature range	: -40~+85 $^\circ C$ (No condensation)
IP Level	: IP67
Vibration	: 200m/s ² , 5~500Hz, 10min (Half cycle), 3axis 2hours (Room temp.)
Shock	: 500m/s ² , 11ms, 3axis 3times (Room temp.)
EMS	: 100V/m, 1MHz~1GHz (ISO11452-2, -3) Output error: $\pm 1\%FS$
EMI	: CISPR25 Class 3
ESD (Case to each terminal)	: Contact discharge, $\pm 15kV$ (IEC61000-4-2)
ESD (Between each terminal)	: Contact discharge, $\pm 15kV$ (IEC61000-4-2)

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.

REFERENCE DRAWING					CUSTOMER/SPEC. NO.	
MODEL: CP-1HX-120R0						
承認 APPROVED	TOLERANCE		DATE		MIDORI PRECISIONS CO., LTD.	
検図 CHECKED	≤ 10	± 0.25			図番 DRAWING NO.	REV.
作成 DRAWN	$10 < \leq 100$	± 0.5	SCALE		A-C1H-B33	0
	$100 <$	± 1.0	DRAWING PRACTICE			
	ANGLE	$\pm 1.5^\circ$				

A3

We are here for you. Addresses and Contacts.

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