

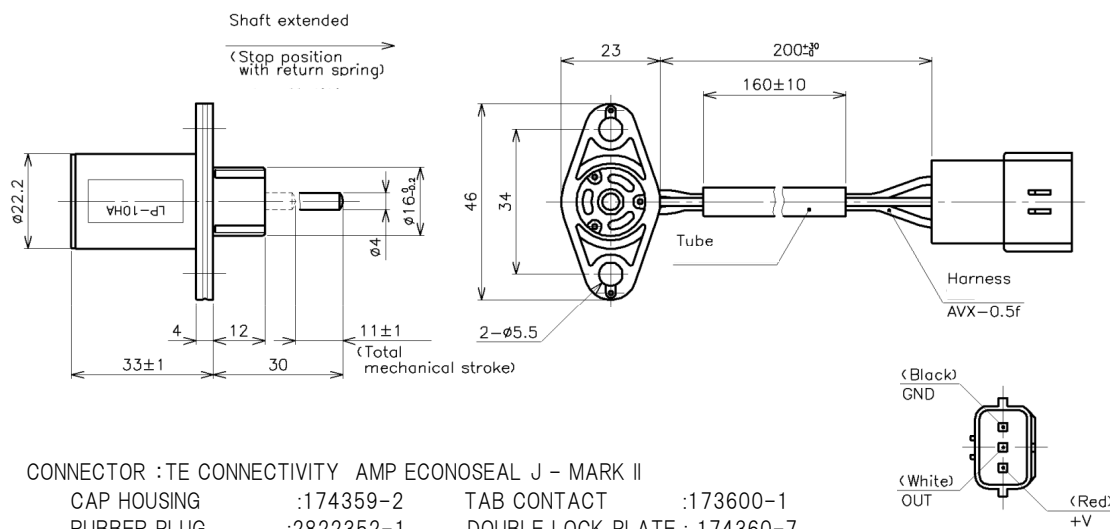
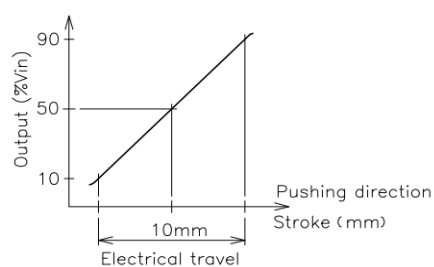
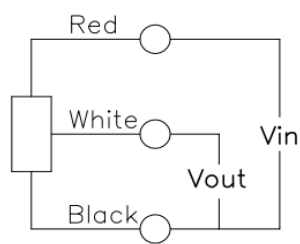
Contactless Linear Sensor

LP-10HA Series

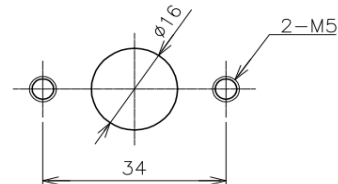
- Contactless Linear Sensor
- Effective Electrical Travel : 10mm
- Absolute Linearity : $\pm 1.6\%$ FS

【Material】

- Housing : PBT
- Shaft : Stainless Steel
- Bearing : Copperalloy

■Dimension [mm]**■Output Characteristics****■Schematic**

- Red, White, Black indicate wire colors.

■Mounting

【Model No.】	LP—10HA
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【Electrical Data】

Effective Electrical Travel	10	mm
Output Range	10~90	%Vin
Absolute Linearity	±2	%FS
Input Voltage	DC5±0.5	V
Load Resistance	10~150	kΩ
Supply Current	MAX. 16	mA
Insulation Resistance	MIN. 100/DC50V	MΩ
Resolution	10(0~100%Vin)	bit
Temp. Characteristics -40°C ~ 100°C (Reference Temp. 25°C)	±0.33	mm

【Mechanical Data】

Total Mechanical Travel	11±1	mm
Friction	0.8~2.45	N
Stopper Strength	MIN. 98	N
Mass	55 Approx	g

【Environmental Data】

Life	10 Million	Cycle
Operating Temperature Range	-40~100 (No condensation)	°C
Storage Temperature Range	-40~100 (No condensation)	°C
Vibration	98m/s ² 200~2000Hz	
Shock	1000m/s ² (100G) 3axis 3times	
EMS	100V/m 200~1000MHz	
ESD(Case-Each Terminal)	±16	kV
ESD(Each Terminal)	±16	kV
IP Rating	IP65(Except the cable side from the mounting surface and tip of connector)	

■ Handling Instruction

- This product may be influenced from external magnetic field.
- Use this sensor in the place where is protected from ESD.

We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
US-Brecksville, OH 44141
Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts!



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