

**NEW RELEASE**

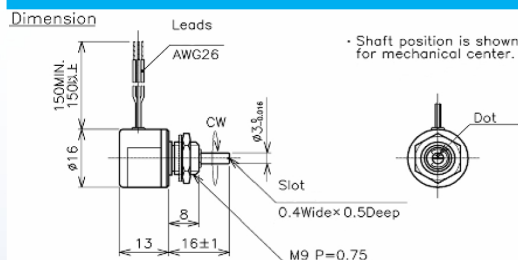
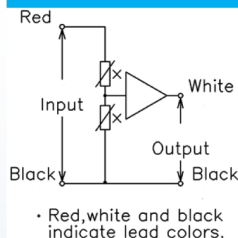
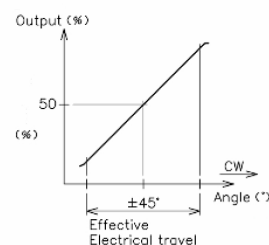
# Low Power Contactless Angle Sensor

**CP-16U****FEATURES**

- Non Contacting— Non contact MR technology
- Measuring angle range— 0~90°, 0~120°
- Low current consumption— <0.6mA
- Infinitesimal resolution
- Higher output voltage
- Compact, Light weight, Low torque

**APPLICATIONS**

- Tension Control
- Valve Positioner
- Flowmeter
- Paper Thickness Sensor

**Dimension (mm)****Schematic****Output****SPECIFICATIONS****ELECTRICAL**

|                       |                                     |
|-----------------------|-------------------------------------|
| Output Sensitivity    | 3.5~6.5%Vin/10°                     |
| Input Voltage         | DC3~5.5V                            |
| Current consumption   | <0.6mA                              |
| Angle                 | ±45° (±60°)                         |
| Independent Linearity | ±1.5%FS(FS=90°)<br>±2.5%FS(FS=120°) |

**MECHANICAL**

|                   |              |
|-------------------|--------------|
| Angle             | 360° Endless |
| Rotational Torque | <0.1mN·m     |

**ENVIRONMENTAL**

|                                |                                        |
|--------------------------------|----------------------------------------|
| Operating Temperature          | -40~+100°C                             |
| Temperature Drift (-30~+100°C) | <±0.9° @ 0°<br><±7.0° @ ±45°           |
| ESD (Case to each terminal)    | Contact discharge, ±4kV (IEC61000-4-2) |
| ESD (Between each terminal)    | Contact discharge, ±8kV (IEC61000-4-2) |
| EMS                            | 25V/m (ISO11452-2, -3)                 |



## We are here for you. Addresses and Contacts.

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### Headquarter Switzerland:

Angst+Pfister Sensors and Power AG  
Thurgauerstrasse 66  
CH-8050 Zurich  
Phone +41 44 877 35 00  
[sensorsandpower@angst-pfister.com](mailto: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](mailto: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](mailto:info.apus@angst-pfister.com)

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