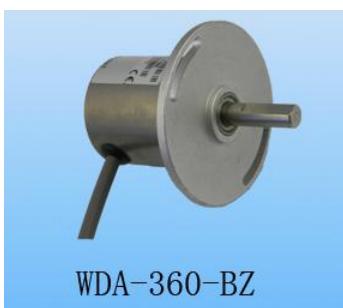




# 角度位移传感器 WDA-360-BZ(BA)



WDA-360-BZ



WDA-360-BA

WDA型角度傳感器采用高性能集成磁敏感元件，利用磁信號感應非接觸的特點，配合微處理器（micro-computer）進行智能化信號處理制成新一代360°全量程(可定制90°、180°順逆向可選)以及可編程選定測量區間角度傳感器。該傳感器具有分辨率高，溫度穩定性好等突出優點，性價比優異。

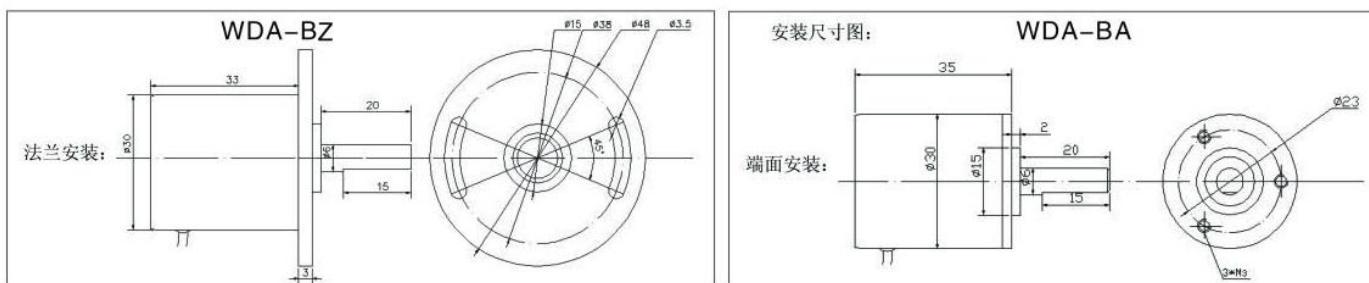
## 產品主要特點

- 無觸點、無噪聲、高靈敏度、高重複性、接近無限轉動壽命、高頻響應特性好；
- 環境適用性强，可用于水、油、汽、粉塵、高低溫、振動衝擊等惡劣工業使用環境；
- 360° 絶對位置測量，是替代光學編碼器、旋轉變壓器、導電塑料電位器的理想產品

WDA angle sensor sensitive high-performance integrated magnetic  
Using non-contact magnetic signal sensing characteristics, with the micro-processing  
(Micro-computer) intelligent signal processing made  
Full scale of the new generation of 360° (option for 90°, 180°) and a programmable  
selected measuring range of the angle Sensors. The sensor has high resolution and  
good temperature stability advantages, cost-effective excellent.

## Main Features

- Non-contact, no noise, high sensitivity and reproducibility, close to Infinite rotational life, high-frequency response characteristics;
- Environmental applicability, can be used for water, oil, steam, dust, high Low temperature, shock and vibration harsh industrial environments,
- 360° absolute position measurement, well alternative to optical encoders, rotary Changing transformers and conductive plastic potentiometers.



产品型号 Series code		WDA			单位 Unit			
参数名称 Parameters	测试条件 Test condition	参数值 Data sheet						
		最小 Min.	典型 Typical	最大 Max.				
电源电压 Supply voltage		12	12	24	伏特 V			
消耗电流 Current consumption			10	16	毫安 mA			
测量量程 Measure angle		360			角度 Degree			
输出 FS Output		0.02	V/2 (中点)	V可调 (5≤V≤12)	±0.01V			
存储温度(TS) Temp of Storage		-55		150	摄氏度 °C			
使用温度(TA) Temp of Application		商业级0~55	工业级-20~80	军工器件-40~125	摄氏度 °C			
中点温漂 Middle T.C.	-40°C < TA < 80°C	≤ ±5mV			FS			
满度温漂 End T.C.	—	商业级1%	工业级0.5%	军工器件0.5%	FS			
分辨率 Resolution	(等效4096分度)		0.087		角度 Degree			
线性度 Linearity		0.1% (≤60°)	±0.2% (≤150°)	±0.2% (≥150°)	FS			
防护等级 Protection class		IP67						
接线 connection	shield wire, teflon wire 屏蔽线, 聚四氟高温导线: 棕—正极, 蓝—负极, 黑—输出 brown:+ blue:- black:output							
备注 Remarks	输出低电压不能达到绝对0，最低0.05V，0~360° 多圈测量时在0° 和360° 交界处有1° 非线性区。建议使用时避开此段非线性区域，尽量使用5° ~ 355° 范围测量，以保证输出信号线性度。 Low output voltage can not reach absolute 0V, the lowest 0.05V; There is 1° of the nonlinear zone between 0° and 360° during 0~360° circle measuring. Recommend use 5° ~ 355° measurement range to ensure the output signal linearity.							

命名规则 Naming rule: WDA V/A BZ/BA 360

量程 rotar angle

V电压输出 voltage output/A电流输出 current output

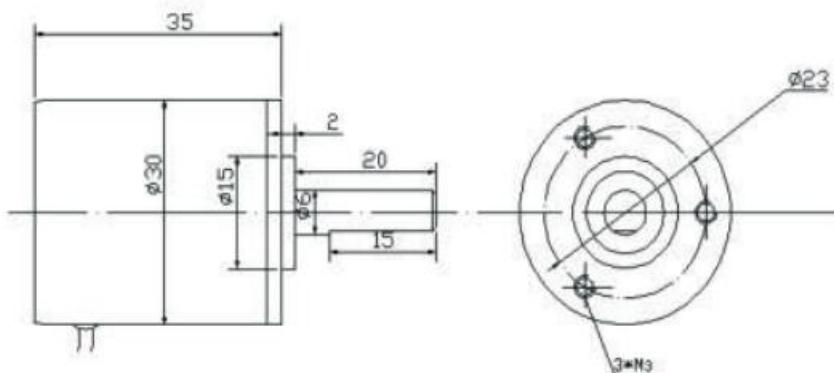
BZ法兰安装 flange mounting/BA端面安装 end face installation

角度传感器 rotary sensor

安装尺寸图:

### WDA-BA

端面安装:



法兰安装:

### WDA-BZ

