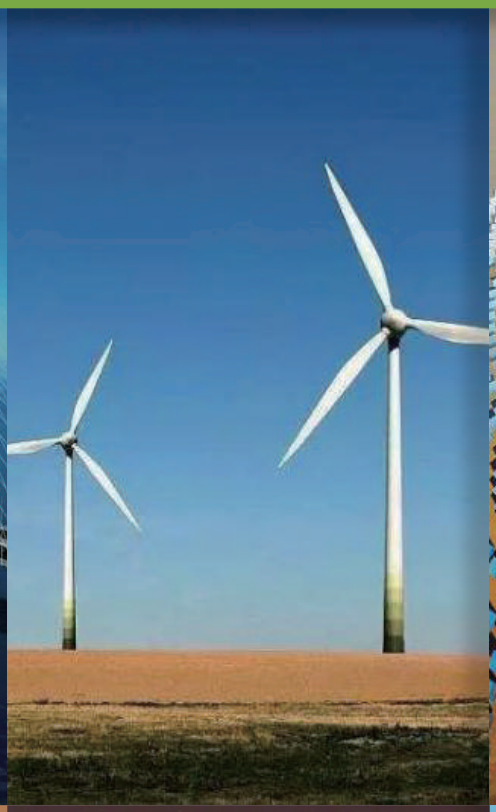
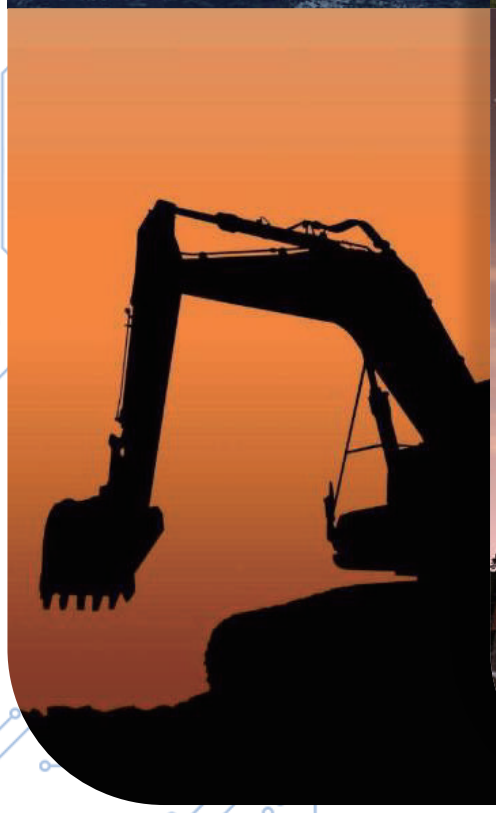
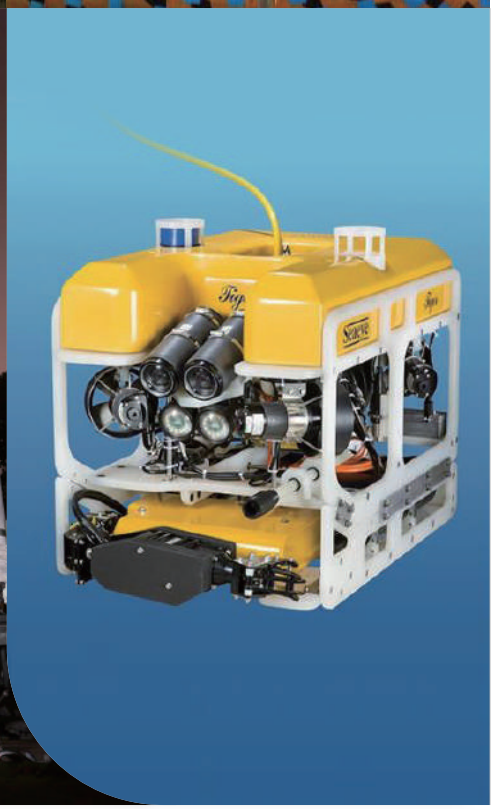
BWSENSING

Attitude is Everything





Inclinometer | Electronic Compass | IMU
AHRS | GNSS/INS | Fiber Optic Gyroscope

www.bwsensing.com Tel:+86 18921292620

Bewis Sensing Technology LLC is an innovative fast growing company established in 2010. The company was born in The Institute of Microelectronics (IME) of Peking University. We have achieved the top spot in the middle and high-end industry applications in the Chinese market. From 2019, BWSENSING® is approved as our global brand.

With 10 years experience in the research-design-development and manufacture of a range of Inertial sensor technology, BWSENSING posses the skills, knowledge and experience to provide fully integrated OEM/ODM design and manufacturing services for Inclinometer, Electronic Compass, IMU, AHRS, GNSS/INS and Fiber Optic Gyroscope.
As the company co-founder Dr. Guangyi Shi said, we will use the Accurate and High Cost-effective sensors to make a greater contribution to the global society for a better AIoT world.

Model Number System							
1.Series							
BWK2	Accuracy 0.2°						
BWL3	Accuracy 0.1°						
BWM4	Accuracy 0.01°						
BWH5	Accuracy 0.003°						
	2.) Measuring Axis						
	1	single axis and measuring range is 0-±180°					
	2	dual axis and measuring range is 0-±90° (only for BWK2/BWL3/BWM4) measuring range is ±30° (for BWH/BWS series only)					
		3.) Output		3-1) Optional			3-2) measuring range
		0	Voltage output	0-5V	0-10V		add only if selecting other than 0~±90° for dual axis or other than 0~±180° for single axis
		5	CAN output	CAN			
		6	Digital output	RS232	RS485	TTL	
		7	Digital output with Modbus	RS232	RS485	TTL	
		8	Current output	4-20mA	0-24mA	0-20mA	
				4.) Cable length (add only if selecting other than1.5m(5ft) lenth)			
				/Mxxx	Specify Mxxx for desired cable length in meters (Specify XXX as desired cable length in feet)		
					5.) Cable Termination/Connector		
					M	Metal Connector	
					A	Aviation Connector(7pin M12)	
Example							
BWK2	2	8	(4-20mA)	/M3	A	Accuracy is 0.2 ° Dual Axis Current output 4-20mA Cable length is 3m with aviation connector	

Dynamic inclinometer		
1.Series		
VG100C	Dynamic Accuracy 1°	
VG200	Dynamic Accuracy 0.5°	
VG300	Dynamic Accuracy 0.3°	
VG400C	Dynamic Accuracy 0.2°	
VG500C	Dynamic Accuracy 0.1°	
VG600	Dynamic Accuracy 0.05°	
	2.Output	
	The last digit "0" means the output is RS232, RS485, TTL (Choose 1 from 3)	
	The last digit "5" means the output is CAN	
	The last digit "7" means the output is RS232, RS485, TTL (Choose 1 from 3) With Modbus	
Electronic Compass		
1.Series		
LEC	2D	Heading Accuracy 2°
	3D	Heading Accuracy 2°
SEC	2D	Heading Accuracy 1°
	3D	Heading Accuracy 1°/0.5°
	9-Axis	Heading Accuracy 3°
HEC	3D	Heading Accuracy 0.5°
	9-Axis	Heading Accuracy 0.5°
DMC	5000	Heading Accuracy 0.25°
BMR	3300M	Heading Accuracy 0.2°

IMU	
1.Series	
IMU100	Gyro zero bias 100°/h
IMU200	Gyro zero bias 50°/h
IMU300	Gyro zero bias 40°/h
IMU400	Gyro zero bias 20°/h
IMU500	Gyro zero bias 10°/h
IMU600	Gyro zero bias 5°/h
IMU610	Gyro zero bias 3°/h
IMU620	Gyro zero bias 0.8°/h
IMU630	Gyro zero bias 1°/h
AHRS	
1.Series	
AH100C	Heading Accuracy 1°
AH200	Heading Accuracy 0.8°
AH300	Heading Accuracy 0.5°
AH400C	Heading Accuracy 0.3°
AH500C	Heading Accuracy 0.2°
	2.Output
	The last digit "0" means the output is RS232, RS485, TTL (Choose 1 from 3)
	The last digit "5" means the output is CAN
	The last digit "7" means the output is RS232, RS485, TTL (Choose 1 from 3) With Modbus

Note: The Azimuth/Heading angle of the Electronic compass / AHRS series refers to the accuracy of the geomagnetic north, this azimuth does not refer to the true north.

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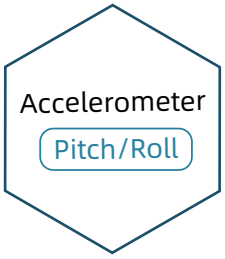
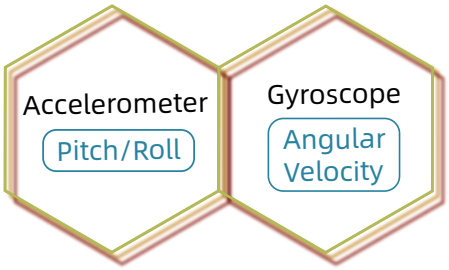
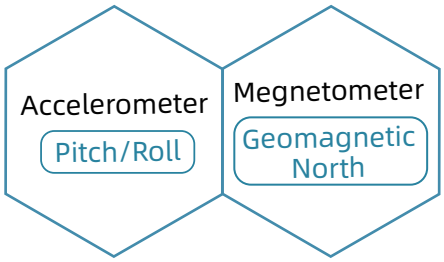


Inclinometer

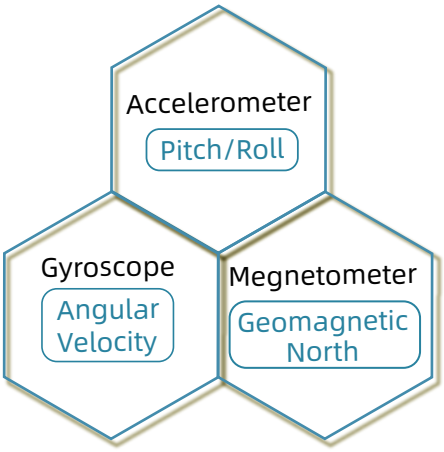


Dynamic Inclinometer
IMU
Micro INS

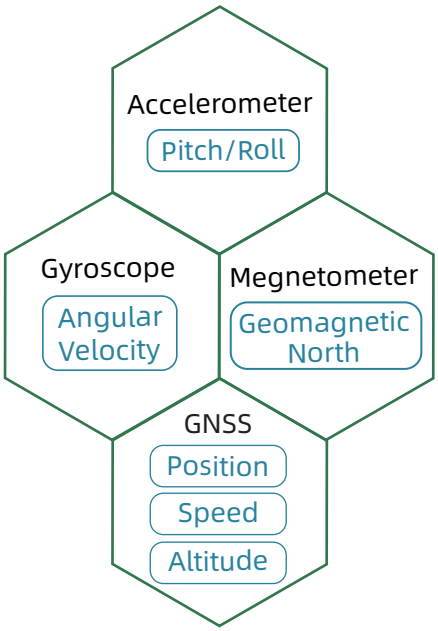


2D/3D Electronic Compass

Horizontal Installation only



9 Axis Full Attitude Electronic Compass
AHRS



GNSS/INS

Attitude is Everything

- World-class advanced technology
- A strong track record with companies that range from emerging startups to Fortune 500 companies
- 7,200+ industry successful application cases

- We inspire each other to be innovators who are not afraid to put their ideas into action

NB-WK100
Dual Axis wireless NB-IoT

- Accuracy: 0.5°
- Resolution: 0.0007°
- Solar charging
- NB-IoT and 2G-GSM
- Max transmission distance: No limit
- Customizable Monitoring Cloud System

NB-WL300
Dual Axis wireless NB-IoT

- Accuracy: 0.1°
- Resolution: 0.0007°
- Solar charging
- NB-IoT and 2G-GSM
- Max transmission distance: No limit
- Customizable Monitoring Cloud System

Introduction

NB-WK100/WL300 is a high cost-effective wireless tilt sensor that supports NB-IoT and GSM two network modes. The structure data can be uploaded to the cloud through NB-IoT or the operator's 2G network. It is an ideal option for structural monitoring and analysis of dilapidated houses, ancient buildings, various towers, etc..

OPTIONAL ACCESSORIES

4.2V Power Adapter

Charging data cable

NB-WM410
Dual Axis wireless NB-IoT

- Accuracy: 0.01°
- Resolution: 0.0007°
- Solar charging
- NB-IoT and 2G-GSM
- Max transmission distance: No limit
- Customizable Monitoring Cloud System

NB-WS2000
Dual Axis wireless NB-IoT

- Accuracy: 0.001°
- Resolution: 0.0007°
- Solar charging
- NB-IoT and 2G-GSM
- Max transmission distance: No limit
- Customizable Monitoring Cloud System

Introduction

NB-WM410/WS2000 is a high-accuracy wireless tilt sensor that supports NB-IoT and GSM two network modes. The structure data can be uploaded to the cloud through NB-IoT or the operator's 2G network. It is an ideal option for structural monitoring and analysis of dilapidated houses, ancient buildings, various towers, etc..

OPTIONAL ACCESSORIES

4.2V Power Adapter

Charging data cable

LR-WK100
Dual Axis wireless LoRa

- Accuracy: 0.5°
- Resolution: 0.02°
- LoRa wireless network
- Max transmission distance: 5 KM
- Customizable Monitoring Cloud System

LR -WL300
Dual Axis wireless LoRa

- Accuracy: 0.1°
- Resolution: 0.01°
- LoRa wireless network
- Max transmission distance: 5 KM
- Customizable Monitoring Cloud System

Introduction

LR-WK100/WL300 is a LoRa wireless inclinometer specially designed for structural health monitoring. It can be charged by solar energy, which can meet the needs of high-precision long-term monitoring. It is an ideal option for structural monitoring and analysis of dilapidated houses, ancient buildings, various towers, etc..

OPTIONAL ACCESSORIES

4.2V Power Adapter

Charging data cable

LR-WM410
Dual Axis wireless LoRa

- Accuracy: 0.01°
- Resolution: 0.001°
- LoRa wireless network
- Max transmission distance: 5 KM
- Customizable Monitoring Cloud System

LR-WS2000
Dual Axis wireless LoRa

- Accuracy: 0.001°
- Resolution: 0.0007°
- LoRa wireless network
- Max transmission distance: 5 KM
- Customizable Monitoring Cloud System

Introduction

LR-WM410/WS2000 is a LoRa wireless inclinometer specially designed for structural health monitoring. It can be charged by solar energy, which can meet the needs of high-precision long-term monitoring. It is an ideal option for structural monitoring and analysis of dilapidated houses, ancient buildings, various towers, etc..

OPTIONAL ACCESSORIES

4.2V Power Adapter

Charging data cable

WF-WK100
Dual Axis wireless WiFi

- Accuracy: 0.5°
- Resolution: 0.02°
- Solar charging
- Max transmission distance: 300 M
- Customizable Monitoring Cloud System

WF -WL300
Dual Axis wireless WiFi

- Accuracy: 0.1°
- Resolution: 0.01°
- Solar charging
- Max transmission distance: 300 M
- Customizable Monitoring Cloud System

Introduction

WF-WK100/WL300 is a high-speed wireless transmission inclinometer specially designed for structural health monitoring. It can be charged with an external special charger to meet the needs of high-precision and long-term monitoring, and has remote control and management functions. It is an ideal option for structural monitoring and analysis of dilapidated houses, ancient buildings, etc..

OPTIONAL ACCESSORIES

4.2V Power Adapter

Charging data cable

WF-WM410
Dual Axis wireless WiFi

- Accuracy: 0.01°
- Resolution: 0.001°
- Solar charging
- Max transmission distance: 300 M
- Customizable Monitoring Cloud System

WF-WS2000
Dual Axis wireless WiFi

- Accuracy: 0.001°
- Resolution: 0.0007°
- Solar charging
- Max transmission distance: 300 M
- Customizable Monitoring Cloud System

Introduction

WF-WM410/WS2000 is a high-speed wireless transmission inclinometer specially designed for structural health monitoring. It can be charged with an external special charger to meet the needs of high-precision and high-frequency monitoring, and has remote control and management functions. It is an ideal option for structural monitoring and analysis of dilapidated houses, ancient buildings, etc..

OPTIONAL ACCESSORIES

4.2V Power Adapter

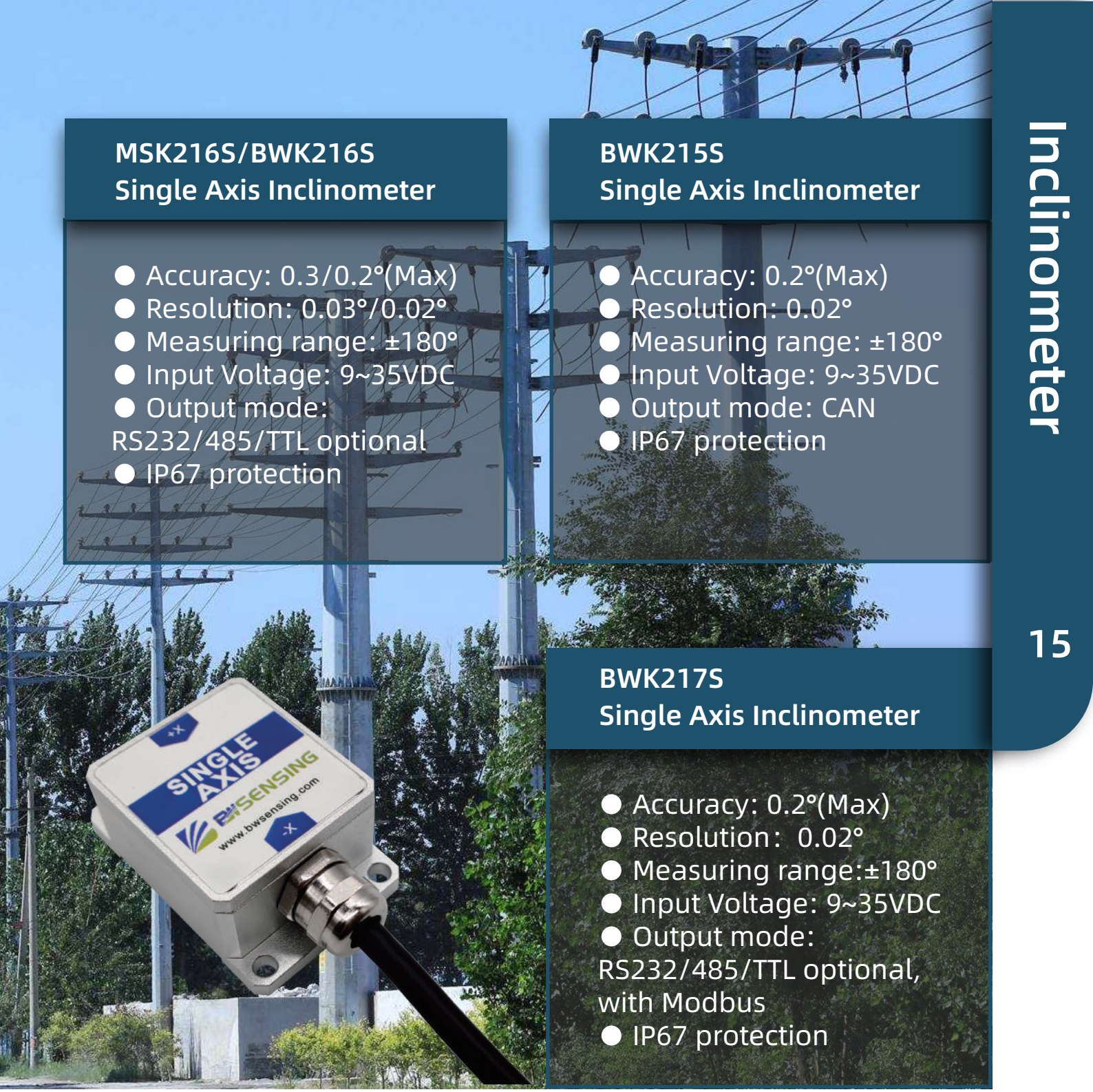
Charging data cable

MSK216S/BWK216S
Single Axis Inclinometer

- Accuracy: 0.3/0.2°(Max)
- Resolution: 0.03°/0.02°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional
- IP67 protection

BWK215S
Single Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: CAN
- IP67 protection



BWK217S
Single Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range:±180°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional, with Modbus
- IP67 protection

Introduction

BWK215S/216S/217S, MSK216S is a digital output low cost Single Axis inclinometer with the advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWK210
Single Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±180°
- Input Voltage: 12~35VDC
- Output mode: 0~5V/0~10V optional
- IP67 protection

BWK218
Single Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±180°
- Input Voltage: 12~35VDC
- Output mode: 4~20mA/0~20mA/0~24mA
- IP67 protection

Introduction

BWK210/218 is an analog output low cost Single Axis inclinometer with the advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter

BWK226S
Dual Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±90°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional
- IP67 protection

BWK225S
Dual Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±90°
- Input Voltage: 9~35VDC
- Output mode: CAN
- IP67 protection

BWK227S
Dual Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range:±90°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional , with Modbus
- IP67 protection

Introduction

BWK225S/226S/227S is a digital output low cost Dual Axis Inclinometer with have advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter

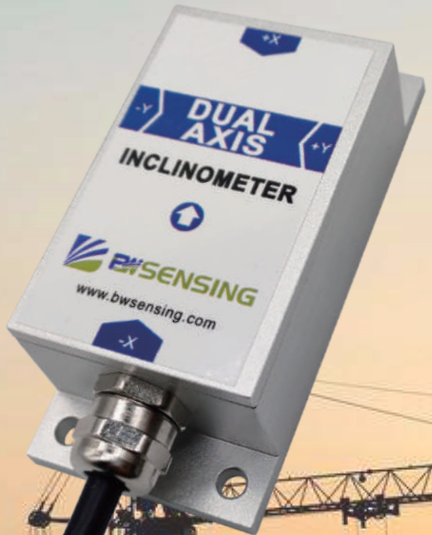

mounting plate

BWK220
Dual Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±90°
- Input Voltage: 12~35VDC
- Output mode: 0~5V/0~10V optional
- IP67 protection

BWK228
Dual Axis Inclinometer

- Accuracy: 0.2°(Max)
- Resolution: 0.02°
- Measuring range: ±90°
- Input Voltage: 12~35VDC
- Output mode: 4~20mA/0~20mA/0~24mA
- IP67 protection



Introduction

BWK220/228 is an analog output Dual Axis inclinometer with the advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power（PV）, PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter

BWL316S
Single Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional
- IP67 protection

BWL315S
Single Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: CAN
- IP67 protection

BWL317S
Single Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional , with Modbus
- IP67 protection

Introduction

BWL315S/316S/317S is a digital output Single Axis inclinometer with advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter

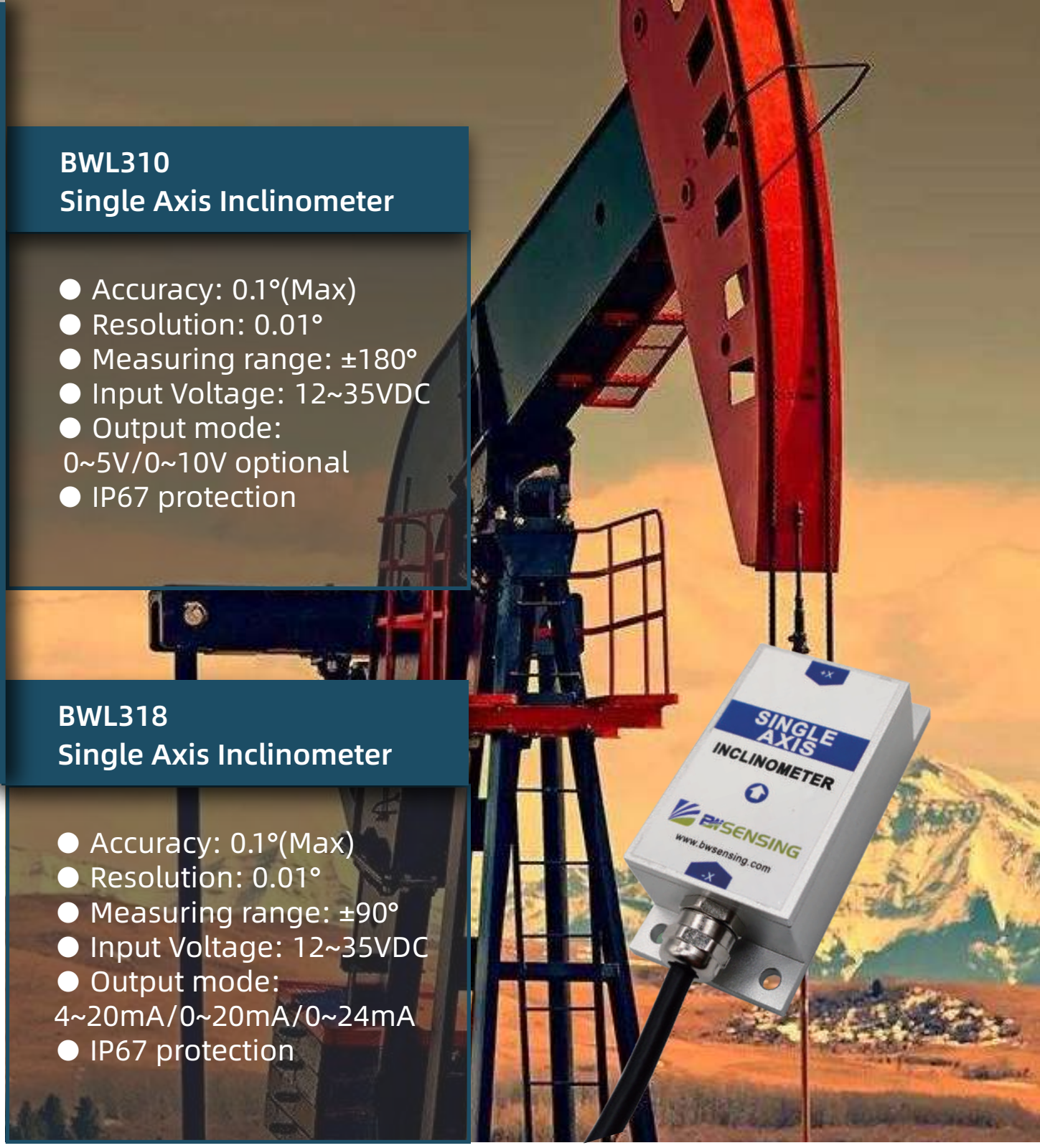

mounting plate

BWL310
Single Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Input Voltage: 12~35VDC
- Output mode: 0~5V/0~10V optional
- IP67 protection

BWL318
Single Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Input Voltage: 12~35VDC
- Output mode: 4~20mA/0~20mA/0~24mA
- IP67 protection



Introduction

BWL310/318 is an analog output low cost Single Axis inclinometer with the advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter

BWL326S
Dual Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional
- IP67 protection

BWL325S
Dual Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Input Voltage: 9~35VDC
- Output mode: CAN
- IP67 protection

BWL327S
Dual Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional, with Modbus
- IP67 protection

Introduction

BWL325S/326S/327S is a digital output low cost Dual Axis Inclinometer with advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWL320
Dual Axis Inclinometer

- Accuracy: 0.1(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Input Voltage: 12~35VDC
- Output mode: 0~5V/0~10V optional
- IP67 protection

BWL328
Dual Axis Inclinometer

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Input Voltage: 12~35VDC
- Output mode: 4~20mA/0~20mA/0~24mA optional
- IP67 protection

Introduction

BWL320/328 is an analog output low cost Dual Axis inclinometer with the advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter

LIS331
Single Axis Tilt Switch

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

LIS332
Single Axis Tilt Switch

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

LIS334
Single Axis Tilt Switch

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±180°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

LIS331/332/334 is a high cost-effective Single Axis tilt switch with small size, high consistency and stability. It is an ideal option for high voltage wire tower pole monitoring, cloud platform leveling, high altitude operation machine Hydraulic elevatorng.

OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


12V Power Adapter


24V Power Adapter

LIS341
Dual Axis Tilt Switch

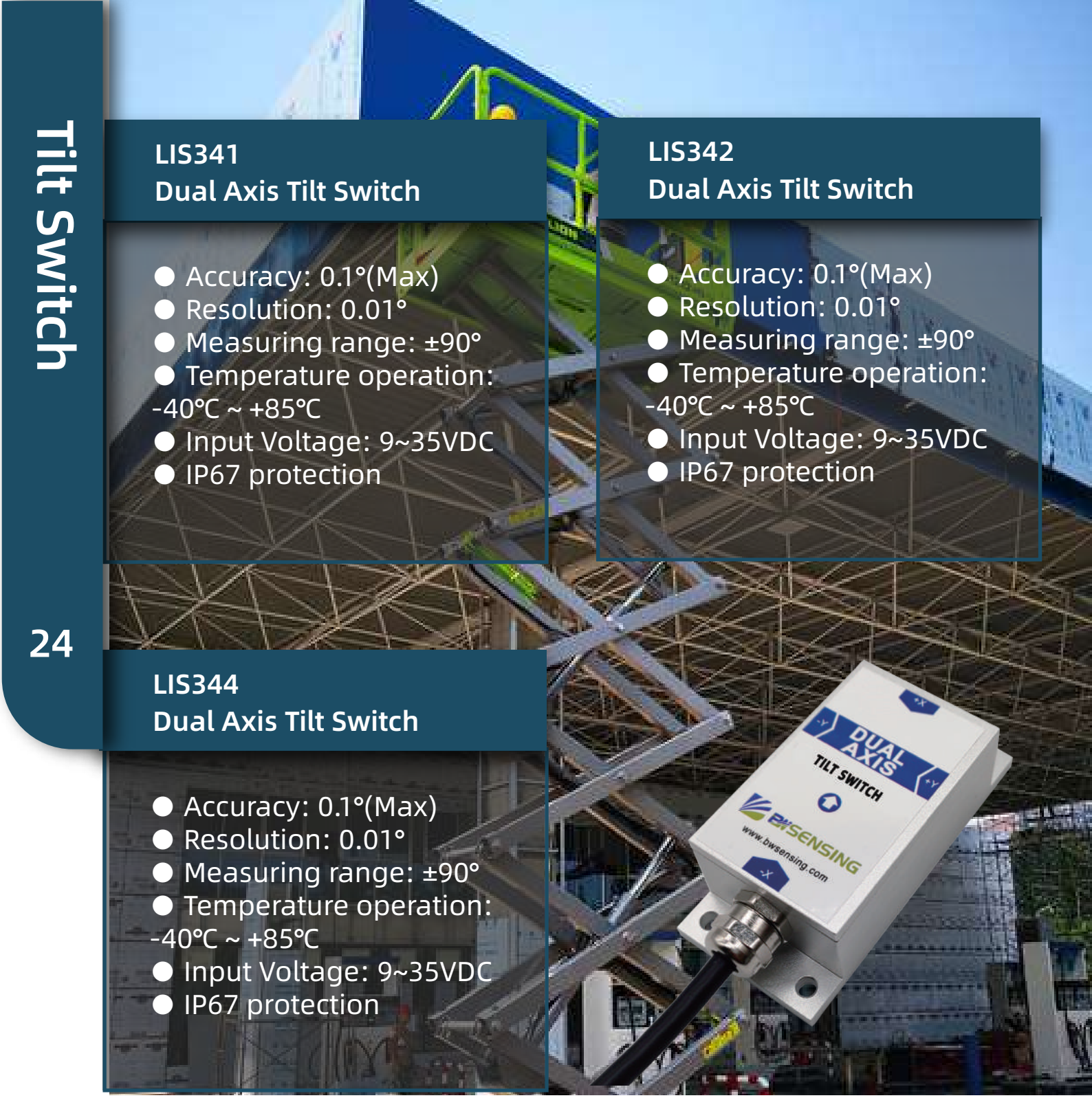
- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

LIS342
Dual Axis Tilt Switch

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

LIS344
Dual Axis Tilt Switch

- Accuracy: 0.1°(Max)
- Resolution: 0.01°
- Measuring range: ±90°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection



Introduction

LIS341/342/344 is a relay/voltage/switch output low cost Dual Axis tilt switch with the advantages of small temperature drift, simple to use, and strong resistance to external disturbances. It is an ideal option for attitude measurement in photovoltaic power (PV), PTZ control, tower turbines monitoring and other industries.

OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter

DIS331
Single Axis Iinclinometer

- Accuracy: dynamic 2°/static 0.1°
- Resolution: 0.01°
- Measuring range: ±180°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

DIS332
Single Axis Iinclinometer

- Accuracy: dynamic 2 °/static 0.1°
- Resolution: 0.01°
- Measuring range: ±180°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

DIS334
Single Axis Iinclinometer

- Accuracy: dynamic 2°/static 0.1°
- Resolution: 0.01°
- Measuring range: ±180°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

DIS331/332/334 is a relay/voltage/switch output low cost Dual Axis dynamic tilt switch with small size, high consistency and stability. It is an ideal option for Hydraulic lifting platform, High voltage wire tower monitoring, Aerial work vehicle,Cloud platform leveling.

OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


24V Power Adapter


12V Power Adapter

DIS341
Dual Axis Tilt Switch

- Accuracy: dynamic 2 °/static 0.1 °
- Resolution: 0.01°
- Measuring range: ±90°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

DIS342
Dual Axis Tilt Switch

- Accuracy: dynamic 2 °/static 0.1 °
- Resolution: 0.01°
- Measuring range: ±90°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

DIS344
Dual Axis Tilt Switch

- Accuracy: dynamic 2 °/static 0.1 °
- Resolution: 0.01°
- Measuring range: ±90°
- Temperature operation: -40℃ ~ +85℃
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

DIS341/342/344 is a relay/voltage/switch output low cost Dual Axis dynamic tilt switch with small size, high consistency and stability. It is an ideal option for Hydraulic lifting platform, High voltage wire tower monitoring, Aerial work vehicle,Cloud platform leveling.

OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter

BWN426
Dual Axis Inclinometer

- Accuracy: 0.02°(Max)
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9~35VDC
- IP67 protection

BWN425
Dual Axis Inclinometer

- Accuracy: 0.02°(Max)
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: CAN
- Input Voltage: 9~35VDC
- IP67 protection

BWN427
Dual Axis Inclinometer

- Accuracy: 0.02°(Max)
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional, with Modbus
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

BWN425/426/427 is a high cost-effective Dual Axis inclinometer with high long-term stability, small temperature drift, simple use and strong resistance to external interference. It apply to military equipment, industrial automation, hoisting angle control, structural deformation monitoring, surveying and mapping, etc..

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter

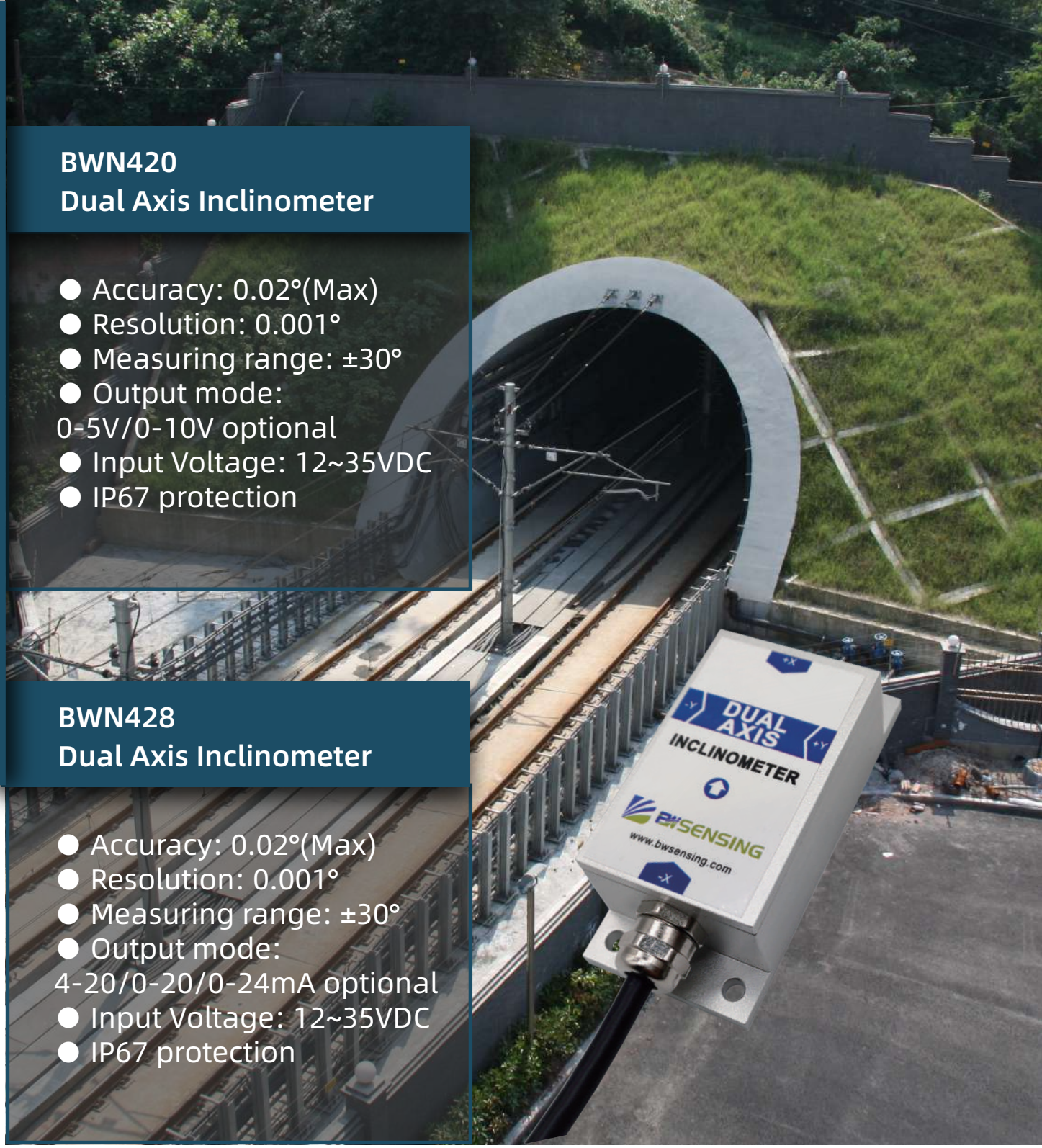

CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate



BWN420
Dual Axis Inclinometer

- Accuracy: 0.02°(Max)
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: 0-5V/0-10V optional
- Input Voltage: 12~35VDC
- IP67 protection

BWN428
Dual Axis Inclinometer

- Accuracy: 0.02°(Max)
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: 4-20/0-20/0-24mA optional
- Input Voltage: 12~35VDC
- IP67 protection

Introduction

BWN420/428 is a high cost-effective analog putput Dual Axis inclinometer with high long-term stability, small temperature drift, simple use and strong resistance to external interference. It apply to military equipment, industrial automation, hoisting angle control, structural deformation monitoring, surveying and mapping, etc..

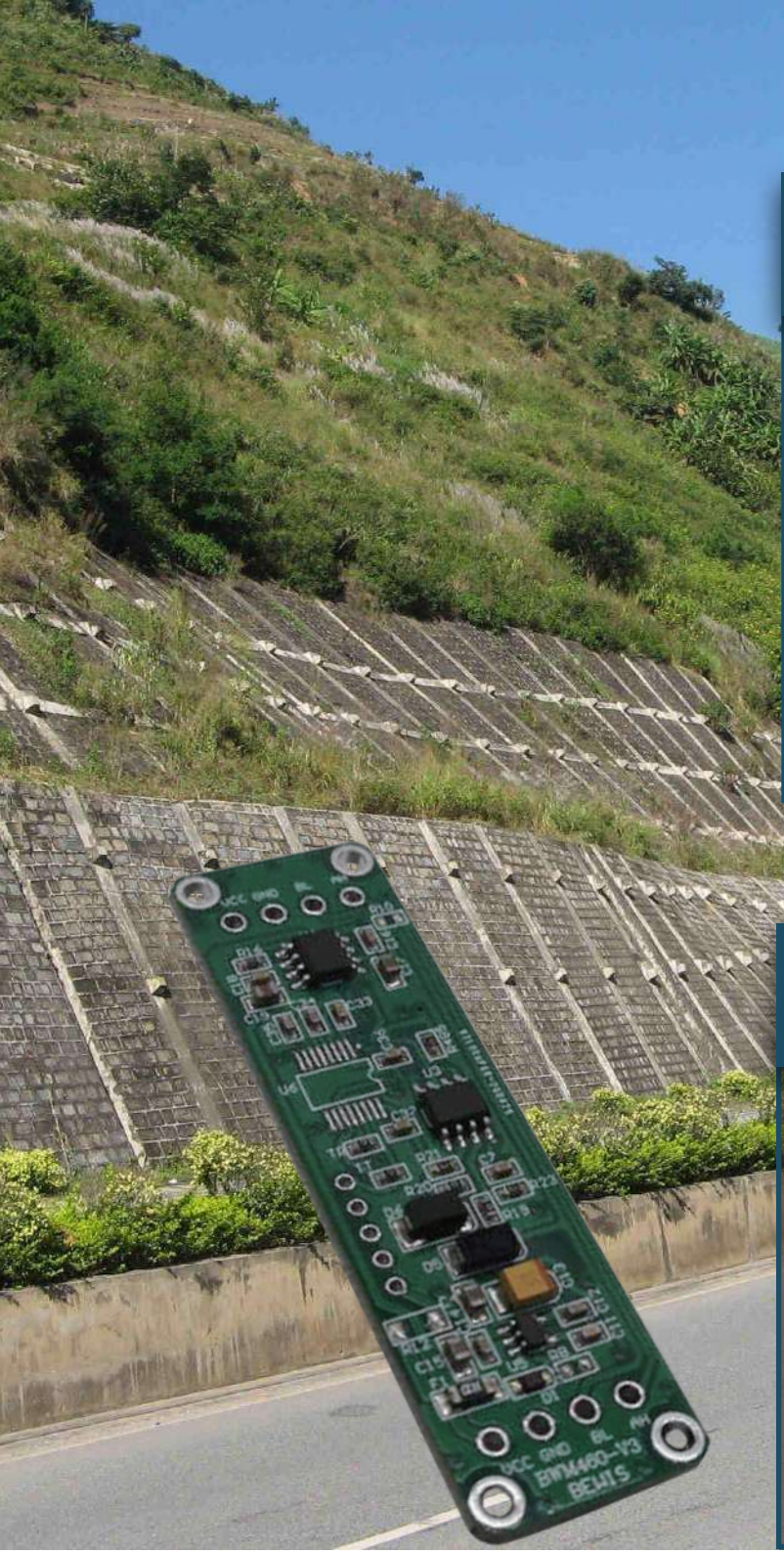
OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


12V Power Adapter


24V Power Adapter



BWN460/BWM460
Dual Axis Inclinometer

- Accuracy: 0.01°/0.005 °
- Resolution: 0.001°
- Measuring range: ±30°/±60°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9~35VDC
- IP67 protection

BWN467/BWM467
Dual Axis Inclinometer

- Accuracy: 0.01°/0.005 °
- Resolution: 0.001°
- Measuring range: ±30°/±60°
- Output mode: RS232/485/TTL optional, with Modbus
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

BWN460/467, BWM460/467 is a high cost-effective digital Dual Axis inclinometer PCB module with small size, low power consumption, high consistency and stability. It apply to Industrial automatic leveling, medical devices, the automatic tracking system of solar angle and hoisting angle control.

OPTIONAL ACCESSORIES

RS485/RS422 to USB Adapter

RS232-USB Adapter

BWN826/BWM826
Dual Axis Inclinometer

- Accuracy: 0.01°/0.005°
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9~35VDC
- IP67 protection

BWN827/BWM827
Dual Axis Inclinometer

- Accuracy: 0.01°/0.005°
- Resolution: 0.001°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional, with Modbus
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

BWN826/827, BWM826/827 is a high cost-effective Dual Axis inclinometer. It has high long-term stability, small temperature drift, simple use and strong resistance to external interference. It apply to military equipment, industrial automation, surveying and mapping, etc..

OPTIONAL ACCESSORIES

RS485/RS422 to USB Adapter

RS232-USB Adapter

12V Power Adapter

24V Power Adapter

mounting plate

BWM416
Single Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range:±180°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional
- IP67 protection

BWM415
Single Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: CAN
- IP67 protection

BWM417
Single Axis Inclinometer

- Accuracy: 0.01(Max)
- Resolution: 0.001°
- Measuring range: ±180°
- Input Voltage: 9~35VDC
- Output mode: RS232/485/TTL optional, with Modbus
- IP67 protection

Introduction

BWM415/416/417 is a high cost-effective Single Axis inclinometer with high long term stability, small temperature drift, simple use and strong resistance to external interference. It apply to industrial automatic leveling, medical devices, automatic tracking system of solar angle, tower tilt monitoring, Hoisting angle control, structural deformation monitoring.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWM410
Single Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range: ±180°
- Input Voltage: 12~35VDC
- Output mode: RS232
- IP67 protection

BWM418
Single Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range: ±180°
- Input Voltage: 12~35VDC
- Output mode: 4~20mA/0~20mA/0~24mA
- IP67 protection

Introduction

BWM410/418 is a high cost-effective Single Axis analog inclinometer with high long term stability, small temperature drift, simple use and strong resistance to external interference. It apply to industrial automatic leveling, medical devices, automatic tracking system of solar angle, tower tilt monitoring, Hoisting angle control, structural deformation monitoring.

OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


12V Power Adapter

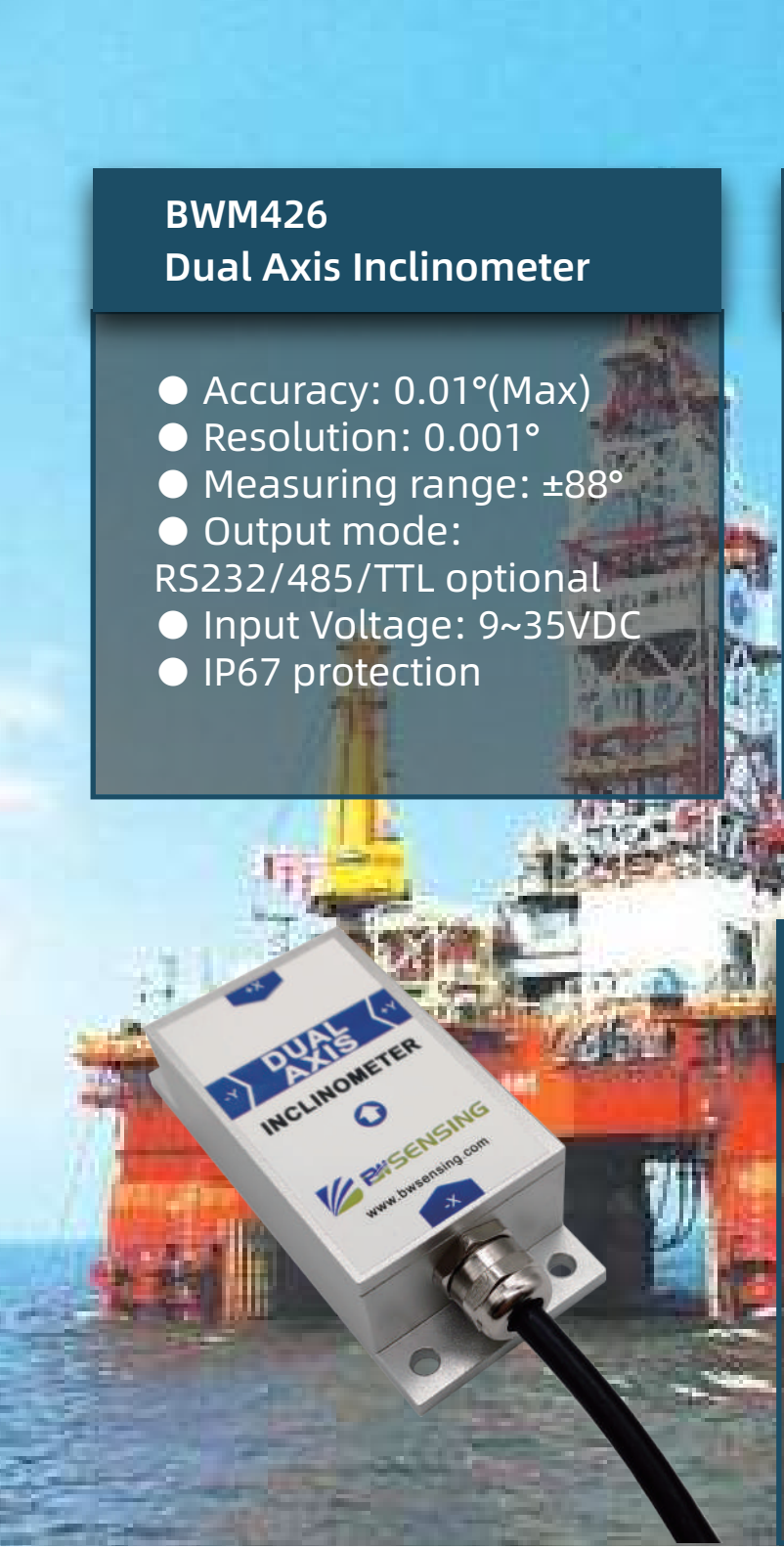

24V Power Adapter

BWM426
Dual Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range: ±88°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9~35VDC
- IP67 protection

BWM425
Dual Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range: ±88°
- Output mode: CAN
- Input Voltage: 9~35VDC
- IP67 protection



BWM427
Dual Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range:±88°
- Output mode: RS232/485/TTL optional, with Modbus
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

BWM425/426/427 is a high cost-effective Dual Axis Inclinometer with high long term stability, small temperature drift, simple use and strong resistance to external interference. It apply to industrial automatic leveling, medical devices, automatic tracking system of solar angle, tower tilt monitoring, Hoisting angle control, structural deformation monitoring.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWM420
Dual Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range: ±90°
- Output mode: 0-5V/0-10V optional
- Communication: RS232
- Input Voltage: 12~35VDC
- IP67 protection

BWM428
Dual Axis Inclinometer

- Accuracy: 0.01°(Max)
- Resolution: 0.001°
- Measuring range:±90°
- Output mode: 4-20/0-20/0-24 mA optional
- Input Voltage: 12~35VDC
- IP67 protection

Introduction

BWM420/428 is a high cost-effective Dual Axis Inclinometer with high long term stability, small temperature drift, simple use and strong resistance to external interference. It apply to industrial automatic leveling, medical devices, automatic tracking system of solar angle, tower tilt monitoring, Hoisting angle control, structural deformation monitoring.

OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


12V Power Adapter


24V Power Adapter

BWH516
Single Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9~35VDC
- IP67 protection

BWH515
Single Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: CAN
- Input Voltage: 9~35VDC
- IP67 protection

BWH517
Single Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional, with Modbus
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

BWH515/516/517 is a high-accuracy Single Axis inclinometer with small size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge and dam monitoring, railway gauge, exploration mapping equipment, high precision platform leveling, engineering machinery inclination measurement, etc..

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWH510
Single Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: 0-5V/0-10V optional
- Input Voltage: 9~35VDC
- IP67 protection

BWH518
Single Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: 0-20mA/4-20mA/0-24mA optional, RS232
- Input Voltage: 12~35VDC
- IP67 protection

Introduction

BWH510/518 is a high-accuracy Single Axis inclinometer with small size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge and dam monitoring, railway gauge, exploration mapping equipment, high precision platform leveling, engineering machinery inclination measurement, etc.

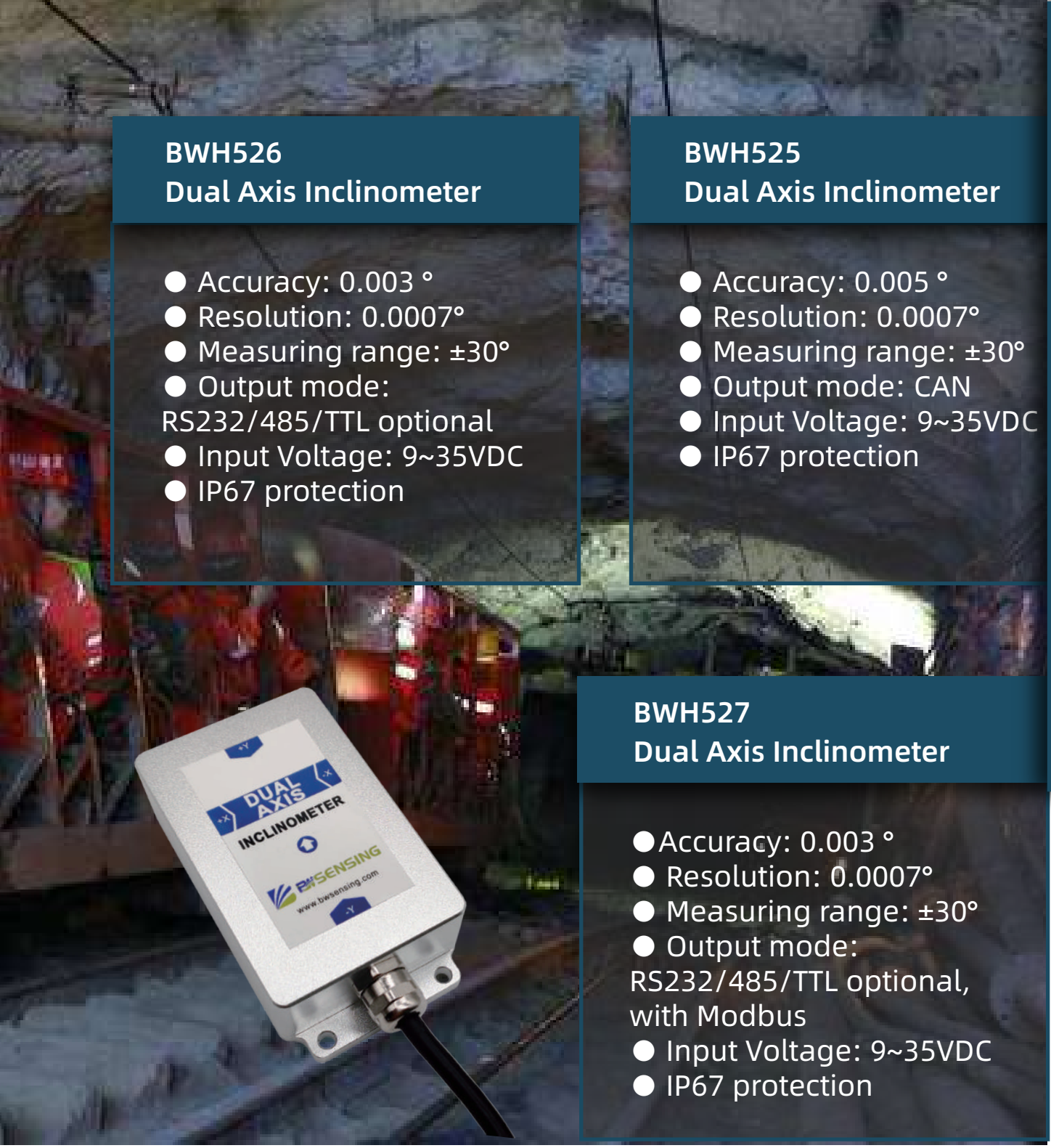
OPTIONAL ACCESSORIES

RS232-USB Adapter

mounting plate

12V Power Adapter

24V Power Adapter



BWH526
Dual Axis Inclinometer

- Accuracy: 0.003 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9~35VDC
- IP67 protection

BWH525
Dual Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: CAN
- Input Voltage: 9~35VDC
- IP67 protection

BWH527
Dual Axis Inclinometer

- Accuracy: 0.003 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: RS232/485/TTL optional, with Modbus
- Input Voltage: 9~35VDC
- IP67 protection

Introduction

BWH525/526/527 is a high-accuracy Dual Axis inclinometer with small size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge and dam monitoring, railway gauge, exploration mapping equipment, high precision platform leveling, engineering machinery inclination measurement, etc..

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWH520
Dual Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: 0~5V/0~10V optional
- Input Voltage:12~35VDC
- IP67 protection

BWH528
Dual Axis Inclinometer

- Accuracy: 0.005 °
- Resolution: 0.0007°
- Measuring range: ±30°
- Output mode: 0-20mA/4-20mA/0-24mA optional
- Input Voltage: 12~35VDC
- IP67 protection

Introduction

BWH520/528 is a high-accuracy Dual Axis inclinometer with small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge and dam monitoring, railway gauge, exploration mapping equipment, high precision platform leveling, engineering machinery inclination measurement, etc..

OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


12V Power Adapter


24V Power Adapter

BWS2000
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0005°
- Measuring range: ±30°
- Output mode: RS485/232/TTL optional
- Input Voltage: 9~35VDC

BWS2500
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0005°
- Measuring range: ±30°
- Output mode: CAN
- Input Voltage: 9~35VDC

BWS2700
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0005°
- Measuring range: ±30°
- Output mode: RS485/232/TTL optional, with Modbus
- Input Voltage: 9~35VDC

Introduction

BWS2000/2500/2700 is a super high-accuracy Dual Axis inclinometer. It is easy to install and simple to use, small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge deflection monitoring, tunnel and dam monitoring, etc..

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWS2200
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0005°
- Measuring range: ±30°
- Output mode: 0-5V/0-10V optional
- Input Voltage: 10~35VDC

BWS2800
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0005°
- Measuring range: ±30°
- Output mode: 0-20mA/4-20mA/0-24mA optional
- Input Voltage: 12~35VDC

Introduction

BWS2200/2800 is a super high-accuracy Dual Axis inclinometer. It is a highly accurate product in the industry for now. It is easy to install and simple to use, small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge deflection monitoring, tunnel and dam monitoring, etc..

OPTIONAL ACCESSORIES


RS232-USB Adapter


mounting plate


12V Power Adapter


24V Power Adapter

BWS3000
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0005°
- Measuring range: ±30°
- Output mode: RS485/232/TTL optional
- Input Voltage: 9~35VDC

Introduction

BWS3000 is a high-accuracy Dual Axis inclinometer. It is a highly accurate product in the industry for now. It is easy to install and simple to use, small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge deflection monitoring, tunnel and dam monitoring, etc..

OPTIONAL ACCESSORIES

RS485/RS422 to USB Adapter

RS232-USB Adapter

BWS4000
Dual Axis Inclinometer

- Accuracy: 0.003°(Max)
- Resolution: 0.001°
- Measuring range: ±90°
- Output mode: RS485/232/TTL optional
- Input Voltage: 9~35VDC

BWS4500
Dual Axis Inclinometer

- Accuracy: 0.003°(Max)
- Resolution: 0.001°
- Measuring range: ±90°
- Output mode: CAN
- Input Voltage: 9~35VDC

BWS4700
Dual Axis Inclinometer

- Accuracy: 0.003°(Max)
- Resolution: 0.001°
- Measuring range: ±90°
- Output mode: RS485/232/TTL optional, with Modbus
- Input Voltage: 9~35VDC

Introduction

BWS4000/4500/4700 is a Ultra high-accuracy Dual Axis inclinometer. It is a highly accurate product in the industry for now. It is easy to install and simple to use, small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge deflection monitoring, tunnel and dam monitoring, etc..

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWS4200
Dual Axis Inclinometer

- Accuracy: 0.008°(Max)
- Resolution: 0.001°
- Measuring range: ±90°
- Output mode: 0-5V/0-10 optional, RS232
- Input Voltage: 10~35VDC

BWS4800
Dual Axis Inclinometer

- Accuracy: 0.008°(Max)
- Resolution: 0.001°
- Measuring range: ±90°
- Output mode: 4-20mA/0-20mA optional, RS232
- Input Voltage: 10~35VDC

Introduction

BWS4200/4800/5000 is a Ultra high-accuracy Dual Axis inclinometer. It is a highly accurate product in the industry for now. It is easy to install and simple to use, small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge deflection monitoring, tunnel and dam monitoring, etc..

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

BWS5000
Dual Axis Inclinometer

- Accuracy: 0.001°(Max)
- Resolution: 0.0001°
- Measuring range: ±15°
- Output mode: RS485/232/TTL optional
- Input Voltage: 10~35VDC

Introduction

BWS5000 is a Ultra high-accuracy Dual Axis inclinometer. It is a highly accurate product in the industry for now. It is easy to install and simple to use, small in size, resistant to external electromagnetic interference, and capable of withstanding vibration shock. It apply to bridge deflection monitoring, tunnel and dam monitoring, etc.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


CAN Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

VG100C
Dynamic inclinometer

- Dynamic Accuracy: 1°
- Static Accuracy: 0.01°
- Resolution: 0.005°
- Output mode: RS232/485/TTL optional
- Tilt range: Pitch ± 90°, Roll ±180°

Introduction

VG100 is a inclinometer suitable for tilt measurement in motion or vibration. The seal design and strict process ensure that the product can accurately measure the roll angle and pitch angle of the carrier under harsh environment. It is an ideal option for Large ships, photoelectric pod, unmanned driving, automatic artillery and unmanned aerial vehicle.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


mounting plate


5V Power Adapter


12V Power Adapter


24V Power Adapter

VG200
Dynamic Inclinometer

- Dynamic Accuracy: 0.5°
- Static Accuracy: 0.01°
- Resolution: 0.005°
- Output mode: RS232/485/TTL optional
- Tilt range: Pitch ± 90°, Roll ±180°

VG300
Dynamic Inclinometer

- Dynamic Accuracy: 0.3°
- Static Accuracy: 0.01°
- Resolution: 0.005°
- Output mode: RS232/485/TTL optional
- Tilt range: Pitch ± 90°, Roll ±180°

VG400C
Dynamic Inclinometer

- Dynamic Accuracy: 0.2°
- Static Accuracy: 0.01°
- Resolution: 0.001°
- Output mode: RS232/485/TTL optional
- Tilt range: Pitch ± 90°, Roll ±180°

Introduction

VG200/300/400C is a easurement device, which can measure the attitude parameters of the motion carrier and ensure the measurement accuracy through algorithm. Meanwhile, it can still accurately measure the parameters of the carrier under harsh environment. It apply to Underwater unmanned craft, Large ships, unmanned.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

VG500C
Dynamic inclinometer

- Dynamic Accuracy: 0.1°
- Static Accuracy: 0.01°
- Resolution: 0.001°
- Output mode: RS232/485/TTL optional
- Tilt range: Pitch ± 90°, Roll ±180°

VG600
Dynamic inclinometer

- Dynamic Accuracy: 0.05°
- Static Accuracy: 0.01°
- Resolution: 0.001 °
- Output mode: RS232/485/TTL optional
- Tilt range: Pitch ± 90°, Roll ±180°

Introduction

VG500C/600 is a high-performance inertial measurement device that can measure the attitude parameters of a moving carrier, and is suitable for inclination measurement under motion or vibration. It is an ideal option for underwater unmanned boat, stable platform and large ships.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


mounting plate

SEC225
2D Electronic Compass

- Heading Accuracy: 1°
- Heading Resolution: 0.1°
- Pitch & Roll Resolution: 0.1°
- Output mode: RS232/485/TTL optional
- Input Voltage: 5VDC

Introduction

SEC225 is a low cost 2D electronic compass with the advantages of small size and low power consumption, and is suitable for sensitive measurement systems with small size and high precision. It can be adapted to different application scenarios and can integrate into various systems. It apply to satellite tracking, petroleum geological exploration and ocean test.

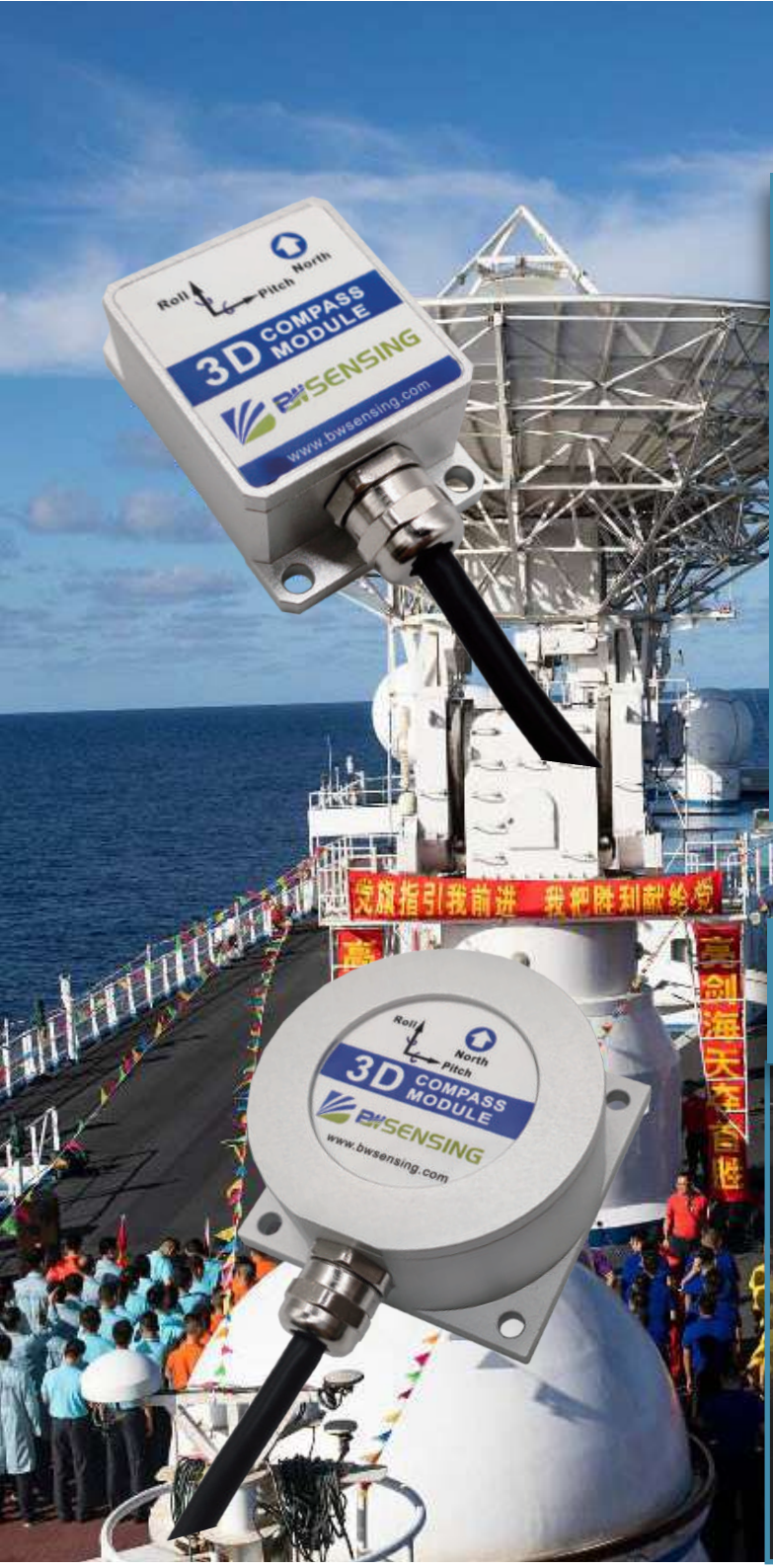
OPTIONAL ACCESSORIES

RS485/RS422 to USB Adapter

RS232-USB Adapter

5V Power Adapter

mounting plate



SEC345
Angle Compensation 3D Compass

- Heading Accuracy: 1°
- Pitch & Roll Static Accuracy: 0.1°
- Output mode: RS232/485/TTL optional
- Input Voltage: 5V

SEC385
Angle Compensation 3D Compass

- Heading Accuracy: 0.5°
- Pitch & Roll Static Accuracy: 0.1°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9-36VDC

Introduction

SEC345/385 is a high cost-effective 3D electronic compass with the advantages of small size and low power consumption, and is suitable for sensitive measurement systems with small size and high precision. It can be adapted to different application scenarios and can integrate into various systems. It apply to satellite tracking, petroleum geological exploration and ocean test.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


Anti-interference Bracket


5V Power Adapter


12V Power Adapter


24V Power Adapter

DMC5000
High accuracy electronic compass

- Heading Accuracy: 0.25°
- Pitch & Roll Static Accuracy: 0.1°
- Output mode: RS232/TTL optional
- Input Voltage: 5VDC
- Size: 33 x 31 x 13.55 (mm)

BMR3000
High accuracy electronic compass

- Heading Accuracy: 0.2°
- Pitch & Roll Static Accuracy: 0.01°
- Output mode: RS232/485/TTL optional
- Input Voltage: 9-36VDC

Introduction

DMC5000/BMR3000 is a Ultra high-accuracy electronic compass with high reliability and anti-interference abilit, it can provide accurate heading data in extremely harsh environments. It can be customized according to customer requirements, and it is very convenient and quick to integrate function into various products. It apply to Night-vision device, range finder, optical range finder.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


Anti-interference Bracket


5V Power Adapter


12V Power Adapter


Toolbox

HEC395

9-Axis Full Attitude Electronic Compass

- Heading Accuracy: 0.5°
- Pitch & Roll Static Accuracy: 0.1°
- Pitch & Roll Dynamic Accuracy: 1°
- 3-Axis gyroscope
  3-Axis accelerometer
  3-Axis magnetometer

Introduction

HEC395 is is a 9-Axis full attitude electronic compass. The product includes a 9-Axis sensor: a 3-axis acceleration sensor, a 3-axis magnetic sensor and a 3-axis gyroscope. It apply to Optical range finder, GPS-assisted navigation, Individual combat equipment.

OPTIONAL ACCESSORIES

RS485/RS422 to USB Adapter

RS232-USB Adapter

12V Power Adapter

24V Power Adapter

Anti-interference Bracket

AH100C
AHRS

- Heading Accuracy: 1°
- Pitch & Roll Dynamic Accuracy: 0.01°
- Output mode: RS232/485/TTL optional
- Gyro zero bias: 30°/h

AH300
AHRS

- Heading Accuracy: 0.5°
- Pitch & Roll Dynamic Accuracy: 0.5°
- Output mode: RS232/485/TTL optional
- Gyro zero bias: 15°/h

AH200
AHRS

- Heading Accuracy: 0.8°
- Pitch & Roll Dynamic Accuracy : 1°
- Output mode: RS232/485/TTL optional
- Gyro zero bias: 20°/h

Introduction

AH100C/200/300 Attitude and AHRS is a high-performance, low-cost inertial measurement equipment. The sealing design and strict process ensure that it can still measure accurately in harsh environments and can be easily integrated into the user's system. It apply to drilling equipment measurement and control, Ocean Tester, Robot control.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


Anti-interference Bracket

AH400C
AHRS

- Heading Accuracy: 0.3°
- Pitch & Roll Accuracy: 0.2°
- Output mode: RS232/485/TTL optional
- Gyro zero bias: 10°/h

AH500C
AHRS

- Heading Accuracy: 0.2°
- Pitch & Roll Accuracy: 0.1°
- Output mode: RS232/485/TTL optional
- Gyro zero bias: 5°/h

Introduction

AH400C/500C Attitude and AHRS is a high-performance, low-cost inertial measurement equipment. The sealing design and strict process ensure that it can still measure accurately in harsh environments and can be easily integrated into the user's system. It apply to drilling equipment measurement and control, Ocean Tester, Robot control.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter


Anti-interference Bracket

IMU100C
Low-cost inertial measurement unit

- Gyro zero bias: 30°/h
- Gyro range: ±400°/sec
- Accelerometer zero bias: ±20mg
- Accelerometer range: ±3.6g
- Output mode: RS232/485/TTL optional
- Maximum output frequency: 500Hz

Introduction

IMU100 is a low-cost inertial measurement sensor, it uses highly reliable MEMS accelerometers and gyroscopes, and ensure measurement accuracy , the seal design and strict process ensure that the dynamic parameters of the carrier under harsh conditions. It apply to Balance car, dumper, platform stability, individual combat equipment.

OPTIONAL ACCESSORIES


RS485/RS422 to USB Adapter


RS232-USB Adapter


mounting plate


5V Power Adapter


12V Power Adapter


24V Power Adapter

IMU700
High Performance IMU

- Gyro zero bias: 1°/h
- Gyro range: ±1000°/s
- Accelerometer zero bias: 0.1mg
- Accelerometer range: ±15g
- Output mode: RS422
- Maximum output frequency: 1000Hz

Introduction

IMU700 is a large-range high-performance inertial measurement unit that can measure the motion parameters of the carrier. The sealed design and strict production process ensure that the product can still accurately measure the parameters of the carrier in harsh environments. It apply to tactical missile guidance, stability of the antenna system and attitude/AHRS.

OPTIONAL ACCESSORIES

RS422-RS232
Adapter

MINS500
High Performance Micro-INS

- Gyro zero bias: 5°/h
- Gyro range: ±400°/sec
- Accelerometer zero bias:
0.001mg（25℃，100s，1σ）
0.01mg（25℃，10s，1σ）
- Accelerometer range: ±3.6g
- Output mode:
RS232/RS485/TTL optional

Introduction

MINS500 is a high performance micro-INS, which is suitable for inertial attitude measurement in various states of motion, vibration or static, with small errors and high product accuracy. The product can be easily integrated into the system. It apply to pipeline survey engineering, stable platform and INS / GPS navigation, INS / GPS navigation.

OPTIONAL ACCESSORIES

RS485/RS422 to USB Adapter

RS232-USB Adapter

12V Power Adapter

24V Power Adapter

mounting plate

MINS700
Fiber Optic Gyro Micro-INS

- Gyro zero bias: 0.2°/h
- Gyro range: ±500°/S
- Accelerometer zero bias: 0.5mg
- Accelerometer range: ±20g
- Output mode: RS422

Introduction

MINS700 is a miniaturized, highly high cost-effective three-axis integrated fiber optic strapdown inertial navigation system. It is not limited by a specific environment or location, and can provide accurate speed, position, attitude and other navigation information. It apply to Aerial surveying, unmanned vehicles, marine engineering surveying and mapping.

OPTIONAL ACCESSORIES

RS422-RS232 Adapter

12V Power Adapter

24V Power Adapter

GI410
High Performance MEMS GNSS/INS

- Heading Accuracy: 0.1° (2m baseline)
- DGPS Accuracy: 0.5m / RTK accuracy: 2cm
- Attitude Accuracy: 0.1°
- Speed Accuracy: 0.1m/s
- Output mode: RS232/RS422 optional

Introduction

GI410 a high-precision MEMS integrated navigation system with high reliability and stability, which can meet the needs of long-term, high-precision, and high-reliability navigation applications in urban and field complex environments. It has the characteristics of small size, light weight and high performance. It apply to stable platform, drone flight control.

OPTIONAL ACCESSORIES

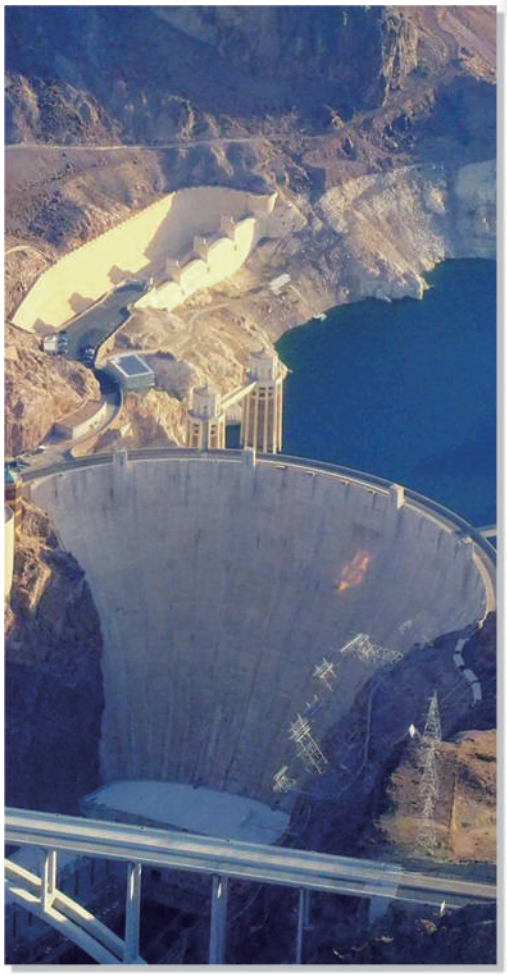

RS422-RS232 Adapter


RS232-USB Adapter


12V Power Adapter


24V Power Adapter

Attitude is Everything



Focus on inertial sensing technology to realize a better world of IoT!

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