Liquid leak detection systems catalogue

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Optoelectronic Liquid Leak Sensor

编码 Model No	XW-DC-01
尺寸 Size	φ48.2mm*48.2mm，cable length 2m
电源 Power	DC9-30V
输出 Output	NO/NC
安装 Installation	Fixed by M3 Screws

特点 Features

1. Fully sealed design with Zinc alloy material, high precision, high reliability;

2. High sensitivity, fast response time;

3. Adopt optoelectronic which can detect water, acid-base liquids with a concentration of less than 30%, heavy oil, light oil;

4. Easy installation, simple operation;

5. Suitable for communication base station, precision machine room, warehouse and other water-proof places;

★ Explosion-proof, Dust-proof , Water-proof, wide voltage input;

★ National patent products, Rohs, CE

Optoelectronic Liquid Leak Sensor

编码 Model No	**XW-DC-01A**
尺寸 Size	**φ73.01mm*45.88mm，cable length 1m**
电源 Power	**DC9-30V**
输出 Output	**RS485**
安装 Installation	**Fixed by M3 Screws**

特点 Features

1. Fully sealed design with Plastic (PC) material, high precision, high reliability;

2. High sensitivity, fast response time;

3. Adopt optoelectronic and electrode detection principles, can distinguish conductive liquid and non-conductive liquid.

4. Can detect water, acid-base liquids with a concentration of less than 30%, heavy oil, light oil;

5. Easy installation, simple operation;

6. Suitable for communication base station, precision machine room, warehouse and other water-proof places;

★ **Wide voltage input;**   ★ **National patent products**

编码 Model No	XW-DC-01B
尺寸 Size	φ73.01mm*45.88mm，cable length 1m
电源 Power	DC9-30V
输出 Output	NO/NC
安装 Installation	Fixed by M3 Screws

特点 Features

1. Fully sealed design with Plastic (PC) material, high precision, high reliability;

2. High sensitivity, fast response time;

3. Adopt optoelectronic which can detect water, acid-base liquids with a concentration of less than 30%, heavy oil, light oil;

4. Easy installation, simple operation;

5. Suitable for communication base station, precision machine room, warehouse and other water-proof places;

★ Wide voltage input;

★ National patent products

Optoelectronic Liquid Leak Sensor

Simple leak detector

编码 Model No	**XW-DC-02**
尺寸 Size	**84mm*38mm*56.5mm**
电源 Power	**DC9-30V**
输出 Output	**NO/NC**
安装 Installation	**35mm standard DIN rail**

特点 Features

1. Simple operation, high cost-effective;

2. 4-speed adjustable sensitivity, adapt to different environment;

3. Using mature switching power supply technology;

4. Using high-quality components, pure hardware circuit design, high reliability;

5. Standard industrial module to make the installation more simple

★ **Unique anti-surge protection function;**

★ **National patent products, Rohs, CE**

Non-locating leak detector

编码 Model No	XW-PC-1S
尺寸 Size	**84mm*38mm*56.5mm**
电源 Power	**DC9-30V**
输出 Output	**NO/NC; RS485, MODBUS communication protocol**
安装 Installation	**35mm standard DIN rail**

特点 Features

1. Simple operation, high cost-effective;

2. 4-speed adjustable sensitivity, adapt to different environment;

3. Using mature switching power supply technology;

4. Using high-quality components, pure hardware circuit design, high reliability;

5. Standard industrial module to make the installation more simple

★ **High standard EMC protection design;**

★ **Unique anti-surge protection function;**

★ **National patent products, Rohs, CE**

双通道不定位
测漏控制器
XW-DC-03

Leak1
Power
Leak2
Tx
Rx

GND VCC GND VCC NO2 COM2 NC2 NO1 COM1 NC1

R1 B1 R2 B2 RST GND RS+ RS− RS+ RS−

Two-channel non-locating leak detector

编码 Model No	**XW-DC-03**
尺寸 Size	**125mm*73mm*44mm**
电源 Power	**DC9-30V**
输出 Output	**NO/NC; RS485, MODBUS communication protocol**
安装 Installation	**35mm standard DIN rail**
特点 Features	

1. Unique anti-voltage reverse access design;

2. Adjustable sensitivity and baud rate;

3. Module address and communication baud rate can be set by software;

4. Good anti-static, anti-lightning, anti-surge function

5. Standard industrial module to make the installation more simple

★ **High standard EMC protection design;**

★ **Two-channel RS485, relay output;**

★ **National patent products, Rohs, CE**

编码 Model No	XW-DW101-5R
尺寸 Size	**84mm*38mm*60.5mm**
电源 Power	**DC9-30V**
输出 Output	**RS485, MODBUS communication protocol**
安装 Installation	**35mm standard DIN rail**

特点 Features

1. Simple operation, high cost-effective;

2. 4-speed adjustable sensitivity, adapt to different environment;

3. Using high-quality components, pure hardware circuit design, high reliability;

4. Standard industrial module to make the installation more simple

5. With five groups of independent detection channels, can connect five leakage detection cables the same time

6. Support dip switch to adjust the address & baud rate

★ Unique anti-surge protection function;

★ National patent products, Rohs, CE

Five-channel non-locating leak detector

编码 Model No	XW1100
直径 Diameter	φ6mm
长度 Length	5m, 10m, 15m, 20m, 25m, 30m, Custom length
安装 Installation	Match with Xiangwei non-locating leak detector

特点 Features

1. Low cost, high detection sensitivity;

2. Strong compatibility, can be connected with most of the water alarm host;

3. Spiral structure can reduce environmental electromagnetic interference and false alarm rate;

4. With strong mechanical properties and corrosion resistance, abrasion resistance;

★ Standard injection joint, beautiful and generous;

★ Customizable length is acceptable;

★ National patent products, Rohs

Spiral water sensing cable

编码 Model No	**XW1100A**
直径 Size	**8mm*2mm**
长度 Length	**5m, 7.5m, 10m**
安装 Installation	**Match with Xiangwei non-locating leak detector**

特点 Features

1. Low cost, high detection sensitivity;

2. Strong compatibility, can be connected with most of the water alarm host;

3. Spiral structure can reduce environmental electromagnetic interference and false alarm rate;

★ Flat structure, suitable for application in narrow area or gap;

★ National patent products, Rohs

Flat water sensing cable

编码 Model No	XW1100B
直径 Diameter	φ6mm
长度 Length	5m, 10m, 15m
安装 Installation	Match with Xiangwei non-locating leak detector

特点 Features

1. The inner core of the wire with woven cover, effectively avoid the false alarm caused by iscrap iron;

2. High detection sensitivity, quick response;

3. Strong compatibility, can be connected with most of the water alarm host;

4. Strong anti-electromagnetic interference ability, long service life;

5. with strong mechanical properties and corrosion resistance, abrasion resistance;

★ **Woven cover, anti-static interference;**

★ **National patent products, Rohs**

Anti-static non-locating water sensing cable

编码 Model No **XW1100D**

直径 Diameter **φ3.8mm**

长度 Length **5m, 10m, 15m**

安装 Installation **Match with Xiangwei non-locating leak detector**

特点 Features

1. The inner core of the wire with woven cover, effectively avoid the false alarm caused by iscrap iron;

2. High detection sensitivity, quick response;

3. Strong compatibility, can be connected with most of the water alarm host;

4. Strong anti-electromagnetic interference ability, long service life;

5. With strong mechanical properties and corrosion resistance, abrasion resistance;

★ **Woven cover, anti-static interference;**

★ **National patent products, Rohs**

Water sensing cable

Liquid-cooled sensing cable

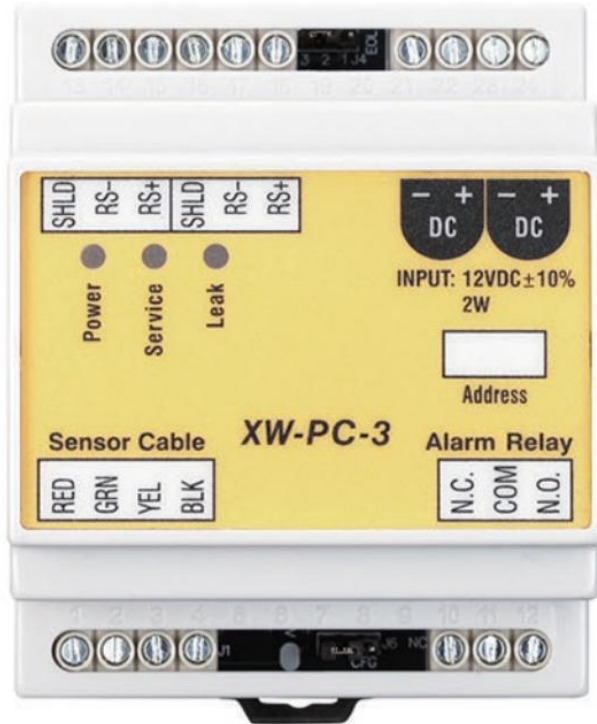| 编码 Model No	XW1100C
直径 Diameter	φ2.2mm
长度 Length	Can be customized
安装 Installation	Match with Xiangwei non-locating leak detector

特点 Features

1. with woven cover design, can contact and detect with metal surface;

2. High detection sensitivity, quick response;

3. With automatic recovery function, can be used repeatedly

4. Suitable for liquid-cooled servers, high-precision equipment and other places with high requirements on size and sensitivity;

5. The cable is soft and can be used in areas with many bends and corners;

6. Made of high temperature resistant material and can be used at 90℃ (temperature resistant material: 110℃)

7. Can be customized according to your requirements;

8. Strong compatibility, can be connected with most of the water alarm host;

★ Woven cover, anti-static interference;

★ National patent products, Rohs, CE

Locating leak detection sensor

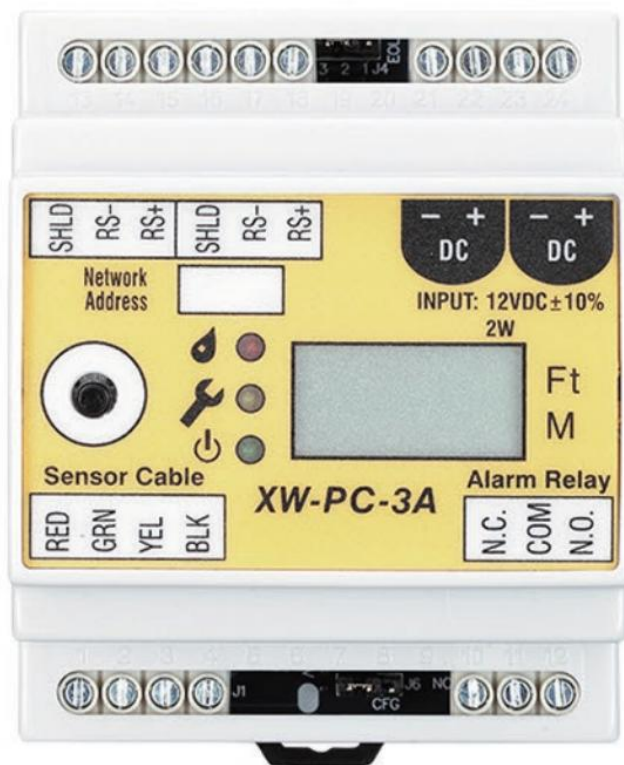|	
编码 Model No	**XW-PC-3**
尺寸 Size	**85.8mm*70mm*57.6mm**
电源 Power	**AC24V (AC220V and DC12V are optional)**
输出 Output	**NO/NC; RS485, MODBUS communication protocol**
安装 Installation	**35mm standard DIN rail**
特点 Features	**1. Leak detection response time is 5-8s;**

1. Leak detection response time is 5-8s;

2. High positioning accuracy, up to 0.1m;

3. Military grade communication chip, strong stability;

4. RS485 communication, standard MODBUS protocol, high availability;

5. Input using isolation transformer, strong anti-interference ability;

6. Output using of normally open and normally closed relay;

7. Sensitivity adjustable by software;

★ **Detection distance 150m;**

★ **National patent products, Rohs, CE**

Locating leak detection sensor with LCD and Relay

编码 Model No	**XW-PC-3A**
尺寸 Size	**85.8mm*70mm*57.6mm**
电源 Power	**AC24V (AC220V and DC12V are optional)**
输出 Output	**NO/NC; RS485, MODBUS communication protocol**
安装 Installation	**35mm standard DIN rail**
特点 Features	**1. LCD indicates the leak location**

1. LCD indicates the leak location

2. Leak detection response time is 5-8s;

3. High positioning accuracy, up to 0.1m;

4. Military grade communication chip, strong stability;

5. RS485 communication, standard MODBUS protocol, high availability;

6. Input using isolation transformer, strong anti-interference ability;

7. Output using of normally open and normally closed relay;

8. Sensitivity adjustable by software;

★ Detection distance 150m;

★ National patent products, Rohs, CE

Locating water sensing cable

编码 Model No	**XW1000**
直径 Diameter	**φ6mm**
长度 Length	**7.5m, 15m, 30m**
安装 Installation	**Match with Xiangwei locating leak detector**
特点 Features	

1. Cable resistance uniform, error within 0.5%, with high detection and location stability and high accuracy;

2. Distributed leak detection and location function can be widely used in a variety of fields

3. The smooth design features of cable are easy to quick drying;

4. Unique waterproof structure of the plastic plug, can be extended cascade;

5. Flexible cable, easy to install;

6. With strong mechanical properties and corrosion resistance, abrasion resistance;

7. Spiral structure to ensure no metal exposure, the cable can be reused even in the corrosive environment;

★ Fluoropolymer material, lifetime more than 10 years;

★ National patent products, Rohs

| 编码 Model No | **XW1000B** |

直径 Diameter **φ6mm**

长度 Length **7.5m, 15m, 30m**

安装 Installation **Match with Xiangwei locating leak detector**

特点 Features

1. It work safe and effective under the temperature of 100°C, is the world's first ultra-high temperature leakage detection sensing cable;

2. Distributed leak detection and location function can be widely used in a variety of fields;

3. Cable resistance uniform, error within 0.5%, with high detection and location stability and high accuracy;

4. Unique waterproof structure of the plastic plug, can be extended cascade;

5. The smooth design features of cable are easy to quick drying;

★ **Up to 120°C high temperature resistance;**

★ **National patent products, Rohs**

High temperature resistant water sensing cable

编码 Model No	XW1000C
直径 Diameter	φ6mm
长度 Length	5m, 10m, 15m
安装 Installation	Match with Xiangwei locating leak detector

特点 Features

1. Inside the red braided layer, the cable will change color when it meets water, accurately confirm the location of water leakage;

2. Distributed leak detection and location function can be widely used in a variety of fields;

3. Cable resistance uniform, error within 0.5%, with high detection and location stability and high accuracy;

4. Unique waterproof structure of the plastic plug, can be extended cascade;

5. The smooth design features of cable are easy to quick drying;

★ Woven cover, anti-static interference;

★ National patent products, Rohs

Discoloration water sensing cable

Locating acid sensing cable

编码 Model No	**XW2000**
直径 Diameter	**φ6mm**
长度 Length	**7.5m, 15m, 30m**
安装 Installation	**Match with Xiangwei locating leak detector**

特点 Features

1. Distributed leak detection and location function can be widely used in a variety of fields;

2. The conductive polymer technology and fluoropolymer structure make it has strong mechanical properties and chemical resistance;

3. All types of liquids can be detected without any special design considerations or calibration;

4. Small and light cable, strong flexibility, easy to install;

5. The smooth design features of cable are easy to quick drying;

★ Resistant to 98% concentrated sulfuric acid, concentrated hydrochloric acid, strong alkali and other liquids;

★ National patent products, Rohs

编码 Model No	**XW3000**
直径 Diameter	**φ6mm**
长度 Length	**3m, 7.5m, 15m**
安装 Installation	**Match with Xiangwei locating leak detector**

Locating fuel sensing cable

特点 Features

1. Distributed leak detection and location functions can be widely used in various liquid hydrocarbon fuel leak detection fields;

2. Strong flexibility, can be installed around metal pipes;

3. The conductive polymer technology and fluoropolymer structure make it has strong mechanical properties and chemical resistance;

★ The response time is 20% faster than other brands;

★ National patent products, Rohs

编码 Model No	**XW-MLC-4M**
直径 Diameter	**Cable φ4.5mm；Connector φ24mm**
长度 Length	**4m**
安装 Installation	**Connect the detector to the sensing cable**

Leader cable

编码 Model No	**XW-MJC-7M**
直径 Diameter	**Cable φ4.5mm; Connector φ24mm**
长度 Length	**7m**
安装 Installation	**Connect the sensing cable to the sensing cable**

Jumper cable

| 编码 Model No | **XW-MET** |

| 直径 Diameter | **φ24mm** |

| 安装 Installation | **Connecting with sensing cable to form a loop** |

End termination plug

Hold down clip

编码 Model No	**XW-HDC**

数量 Quantity	**30pcs/bag**

安装 Installation	**For fixing the sensing cable, normally each meter need 1pc**