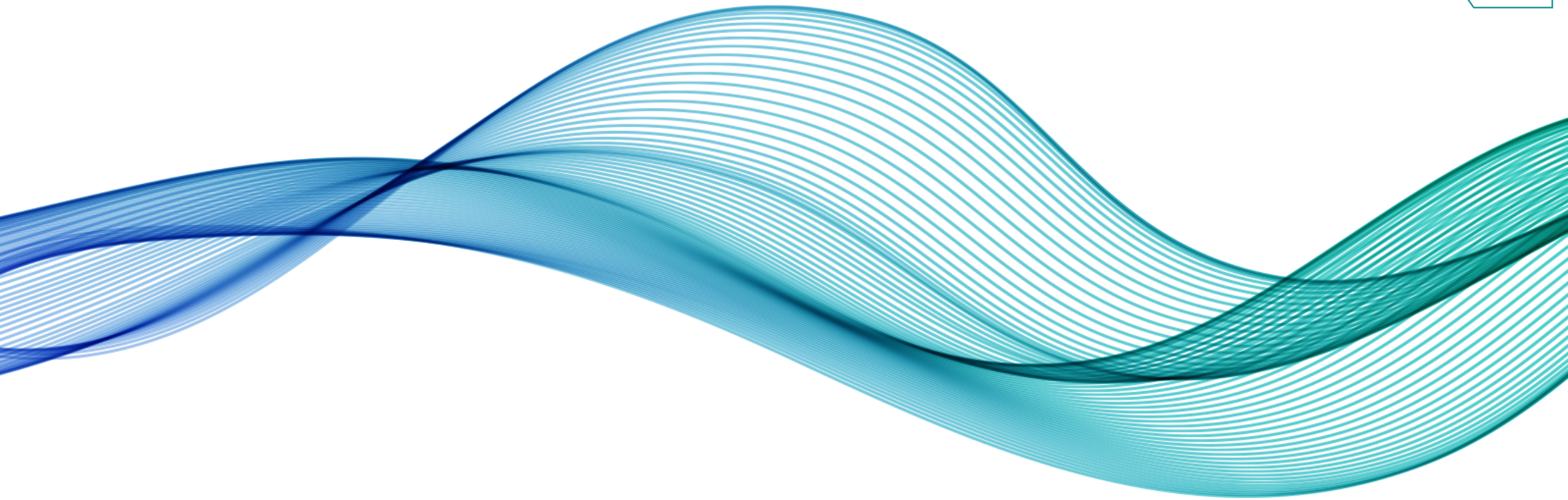

# Selection Guide for Electronic Measurement Modules of Ultrasonic Gas Flowmeters (Inline)

AnalogSense Technologies Co. Ltd
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# Notice

- The product prices can be obtained by contacting our sales personnel or by sending an email to info@analogain.com;
- Our company can assist with the design of the flowmeter body. For more information, please contact our company for further consultation.

# DN50 Ultrasonic Gas Flowmeter Electronic Measurement Module

| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL050-05A | |
| Caliber | DN50 | The inside diameter of the pipeline is 50 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 3~160 m³/h | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 2-Path | two pairs (four) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |

# DN80 Ultrasonic Gas Flowmeter Electronic Measurement Module

| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL080-05A | |
| Caliber | DN80 | The inside diameter of the pipeline is 80 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 6~400 $m^3/h$ | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 2-Path | two pairs (four) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |

# DN100 Ultrasonic Gas Flowmeter Electronic Measurement Module

| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL100-05A | |
| Caliber | DN100 | The inside diameter of the pipeline is 100 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 10~650 $m^3/h$ | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 2-Path | Two pairs (four) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |

# DN150 Ultrasonic Gas Flowmeter Electronic Measurement Module

| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL150-05A | |
| Caliber | DN150 | The inside diameter of the pipeline is 150 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 22~1400 m³/h | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 4-Path | Four pairs (eight) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |

# DN200 Ultrasonic Gas Flowmeter Electronic Measurement Module

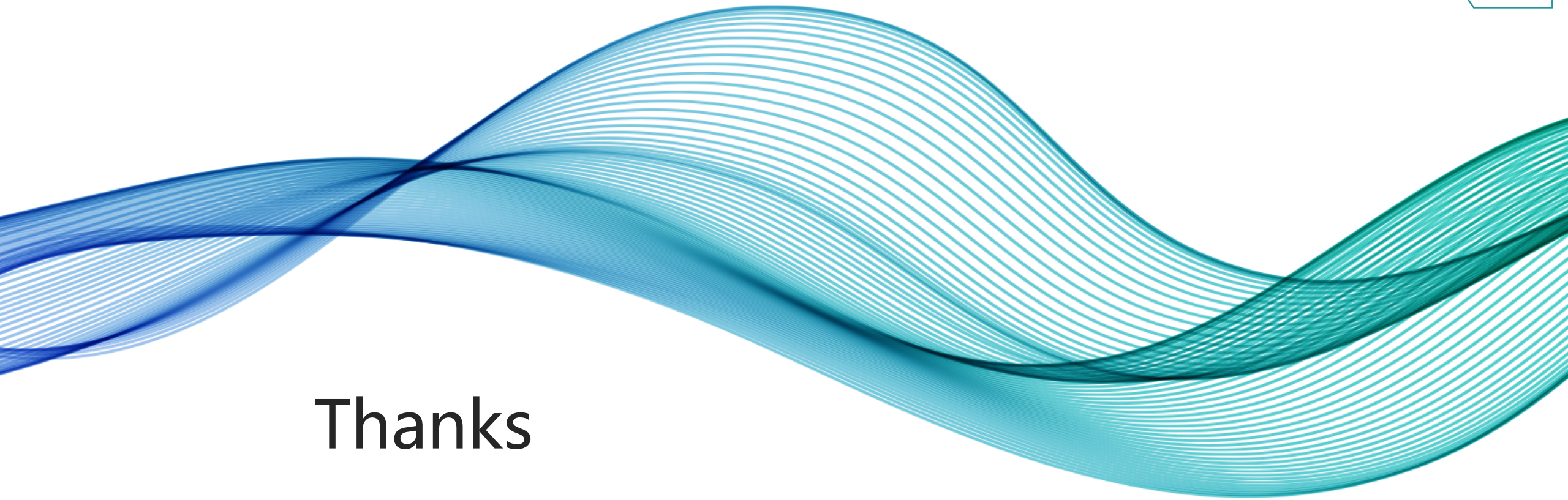
| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL200-05A | |
| Caliber | DN200 | The inside diameter of the pipeline is 200 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 32~2000 m³/h | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 4-Path | Four pairs (eight) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |

# DN250 Ultrasonic Gas Flowmeter Electronic Measurement Module

| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL250-05A | |
| Caliber | DN250 | The inside diameter of the pipeline is 250 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 60~3200 m³/h | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 6-Path | Six pairs (twelve) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |

# DN300 Ultrasonic Gas Flowmeter Electronic Measurement Module

| | Ultrasonic gas flow meter electronic measurement module | Description |
|---|---|---|
| Product Name | AS-UL300-05A | |
| Caliber | DN300 | The inside diameter of the pipeline is 300 millimeters |
| Accuracy | 1.0% or 0.5% | The module supports 1.0% or 0.5% accuracy level in compliance with “JJG 1030-2007 Ultrasonic Flowmeter Verification Regulations” |
| Range | 100~5000 m³/h | |
| Medium Temperature | -25℃ ~+60℃ | The temperature range of the gas medium being measured |
| Ambient Temperature | -25℃ ~+60℃ | The operating temperature range of the product |
| Measured Values | Process flow rate, process total flow, standard flow rate, standard total flow, temperature, pressure | |
| Number of Paths | 6-Path | Six pairs (twelve) of transducers |
| Output Signals | Calibration pulse | |
| | Analogue output (optional) | 4~20mA (2-wire) |
| Temperature Sensor Interfaces | Please see descriptions | PT1000 (3-wire), 3.81mm screw terminal; 1: excitation output, 2: resistance input, 3: GND |
| Pressure Sensor Interfaces | Please see descriptions | I2C digital interface, 3.81mm screw terminal; 1:3.3V, 2:GND, 3:SCL, 4:SDA |
| Display Output Interfaces | UART, I2C | |
| Communication Interface | RS485 | |
| | UART, SPI | Through standard data interfaces, data can be transmitted to different communication modules, such as NB-IoT, Bluetooth, etc. |
| Power Supply Method | Battery or external power source | |



# Thanks