13

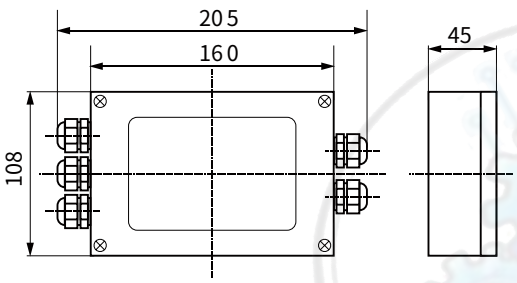
JUNCTION BOX AND TRANSMITTER



Multi-channel junction box, aluminum alloy shell, good anti-interference, cover plate waterproof rubber washer, waterproof and dust-proof.

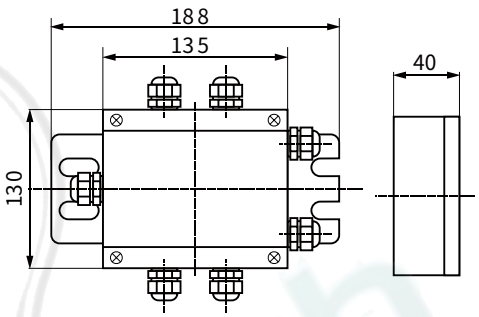
DYJXH-S4 Junction box



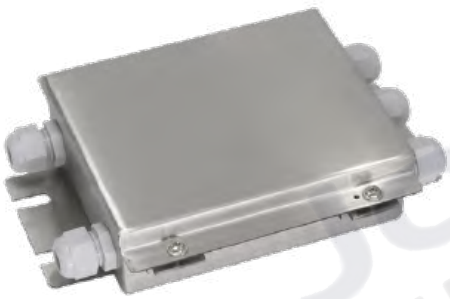


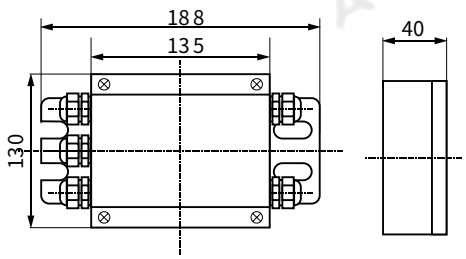
Cast aluminum 4-in-1 junction box





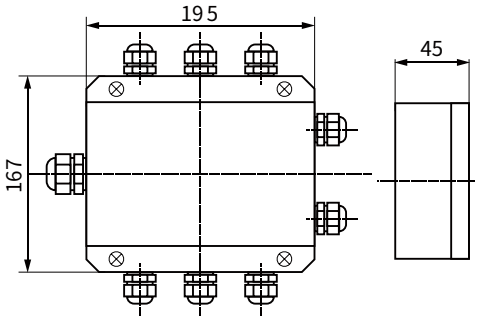
Stainless steel 6-in-1 junction box





Stainless steel 4-in-1 junction box





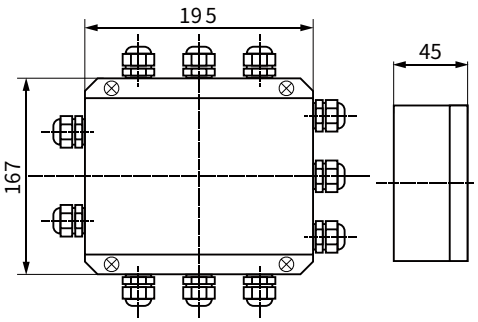
Stainless steel 8-in-1 junction box

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DYJXH-S4 Junction box



Stainless steel 10-in-1 junction box







Installation Diagram

Product Reviews

Characteristic

Multi-channel junction box, aluminum alloy shell, good anti-interference, cover plate waterproof rubber washer, waterproof and dust-proof.
Assembly, debugging is simple and convenient, high reliability.
At the same time, the sensitivity matches the adjustment mode, and each output can be balanced to prevent the damage of the surge signal to the sensor.

Application Area

- Used in batching tank, reactor, silo, mixing station.
- Multiple sensors detect resultant forces.
- It can be widely used in oil field, chemical industry, automobile, lifting machinery, construction, building materials, mechanical processing, thermal power, transportation and other fields.







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DYTX-101 Weighing transmitter



Single channel



Four-channel

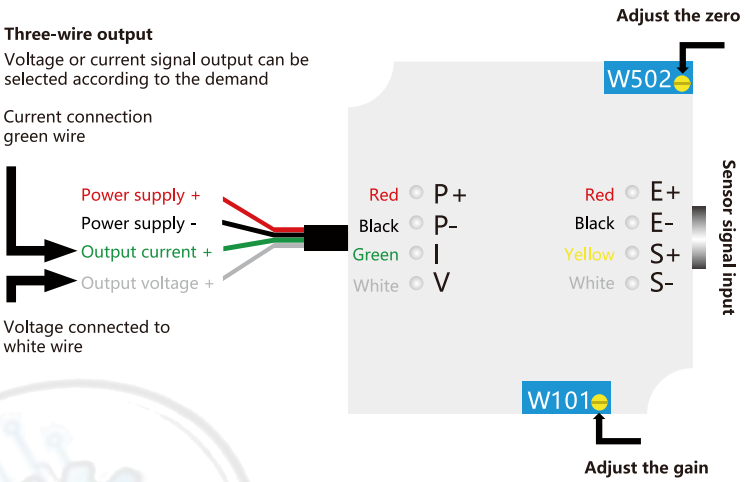


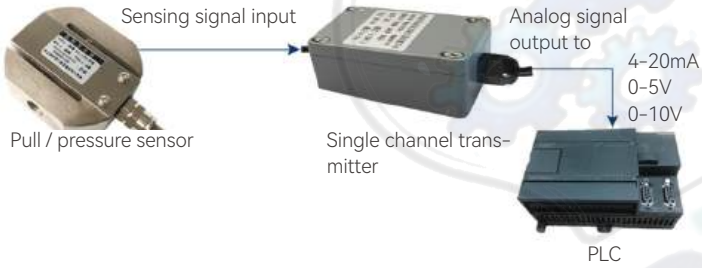
Parameters Table			
Power supply	DC 9~28VDC	Nonlinear error	≤0.003%F.S.
Power waste	< 1W	Internal resolution	1/16777215
Working current	Depending on the number of external sensors and power supply voltage	Stable display resolution	1/ 10000
Use environment	Temperature: -40~85 ℃ Humidity: 10%~95% (no condensation)	Sampling rate	12 times/50 times configurable
Protection level	IP65	Sampling method	Sigma Delta
Installation method	Installation hole fixation	Communication mode	Rs485
Weight	≈0.25kg	Communication protocol	MODBUS RTU
Applicable sensor types	Suitable for all resistance strain gauges and weighing sensors	Communication parameter	9600,8,N,1
Sensor excitation voltage	5V DC+3%, maximum current 100mA	Electrical isolation	1000VDC
Input signal range	+11 mV	Support baud rate	2400 / 4800 / 9600 / 19200 / 38400
temperature coefficient	≤ (0.001% of reading+0.3d)/° C		

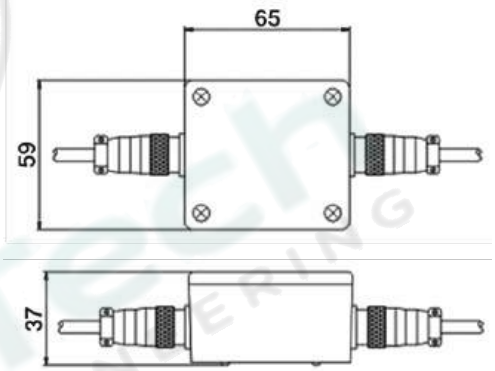
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BSQ-001 Weighing transmitter









Product Reviews

Characteristic

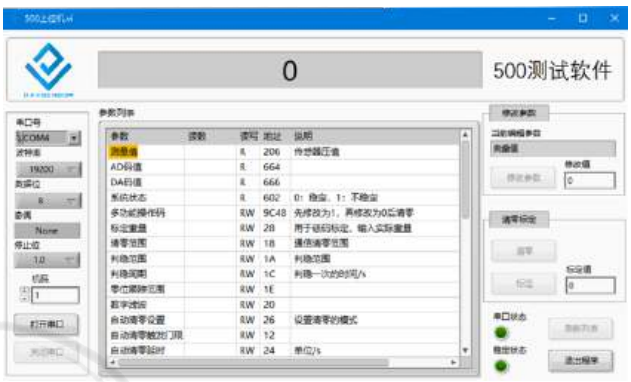
The external transmitter, with an alumi-num alloy housing, precisely amplifies the microvoltage signal (MV) of the load cell. Line internal neat, constant current bridge, voltage and current conversion, impedance adaptation, linear compensation, temperature compensation, etc. The mechanical quantity is converted into standard current and voltage signal output, 4~20mA, 0~10mA, -5v~0~5V, 1~5V, -10~0-10V directly interface with automatic control equipment or computer networking, the transmitter has zero adjust-ment, gain adjustment function.

Parameters Table			
Rated input	0-20mV	Supply voltage	DC 15-30V
Rated output	0±5V/0±10V 0-20mA/4-20mA/4-12-20mA	Class of protection	Aviation Plug IP65 Waterproof connector IP67(optional)
Nonlinearity	0.2% F.S	Opening size	Shell (mm) : length 65 width 58 height 37

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DY500 Weighing transmitter

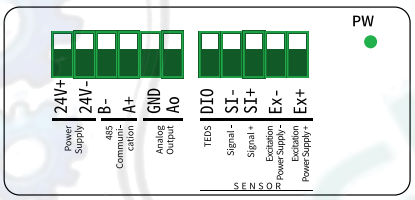


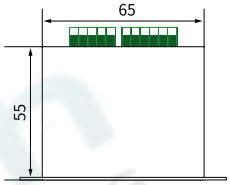






Four in, four out

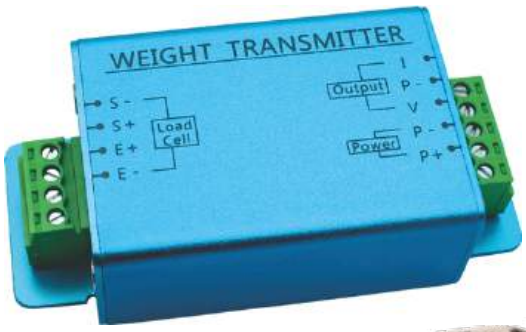




Parameters Table	
1	Transmitter supply voltage is 12-26V DC, power consumption <3W.
2	Data acquisition accuracy 12-16 bits (depending on sampling speed).
3	Communication sampling RS485-ModbusRTU protocol, communication rate 1200-115200 BPS (default 19200/8 data bit/no check /1 stop bit); The real-time measurement value can be read through the upper computer, and the operations such as zero clearing, calibration and parameter modification can be realized.
4	The transmission output is 0-10V or 4-20mA.
5	Both communication and transmission can be accurately output at the same time.
6	One key clear and automatic clear function.
7	The overall accuracy error is 0.1%.
8	External intelligent sensor, power supply voltage 5V, with power-on automatic calibration function, with the company with TEDS function sensor can achieve automatic calibration.

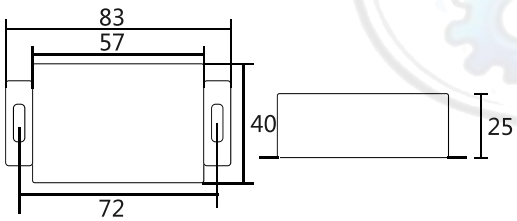
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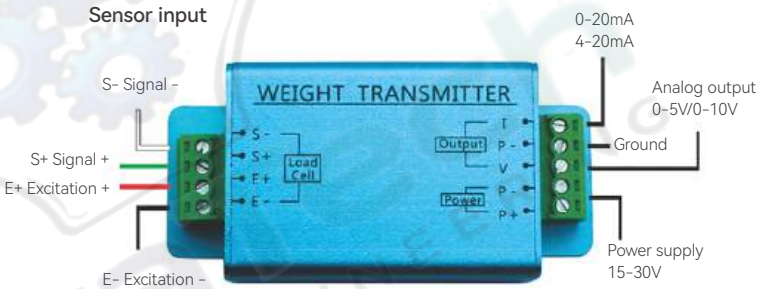
DY510 Weighing transmitter











Product Reviews

Characteristic

510 transmitter adopts aluminum shell, adopts original imported high-performance devices inside the sensor output signal for precision amplification, internal voltage regulation, constant current bridge, voltage and current conversion, impedance adaptation, linear compensation, humidity compensation, etc.

Convert mechanics and quantity into standard current and voltage signal output, which can switch 0±5V/0±10V/4-20mA/0-20mA.

It can be directly connected with automatic control equipment PLC single-chip computer terminal or computer networking.

With standard signal external zero, external gain function, input over protection, output short circuit protection and other features.

Parameters Table			
Argument	Technical parameter	Comprehensive accuracy	0.05%
Supply voltage	15-30VDC	Operating temperature	-30℃-80℃
Sampling frequency	≥100KHz	Output signal	0±5V,0±10V,0-20mA,4-20mA
Input signal	0.5-4mV/V		

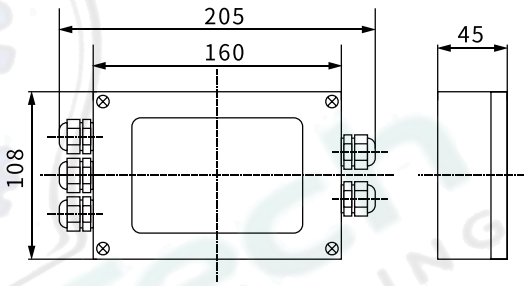
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Four-channel weighing transmitter

weighing transmitter







Product Reviews

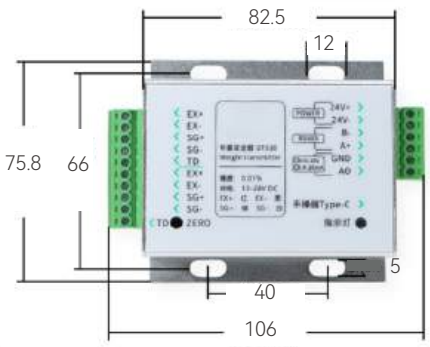
Characteristic

The sensor output signal is accurately amplified by imported high-performance devices, and the internal voltage regulation, constant current supply bridge, voltage and current conversion, impedance adaptation, linear compensation, humidity compensation, etc. Convert mechanics and quantity into standard current and voltage signal output, which can switch 0±5V/0±10V/4-20mA/0-20mA. It can be directly connected with automatic control equipment PLC single-chip computer terminal or computer networking. With standard signal external zero, external gain function, input over protection, output short circuit protection and other features.

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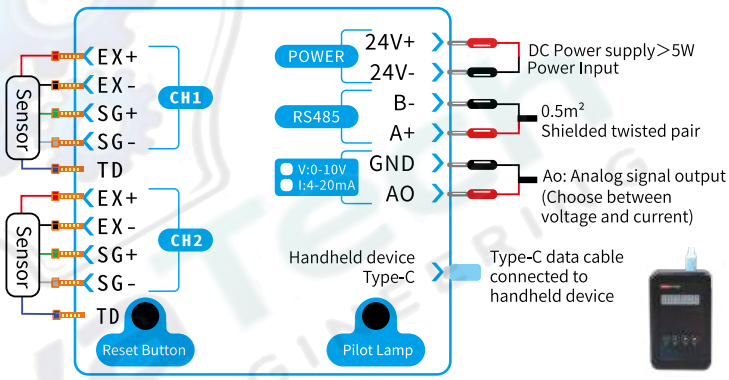
D530 Weighing transmitter





Unit:mm





Provide free upper computer software

Display, export, and save data for data analysis.
Data can be exported to Excel tables / viewed in software.

Product Reviews

Characteristic

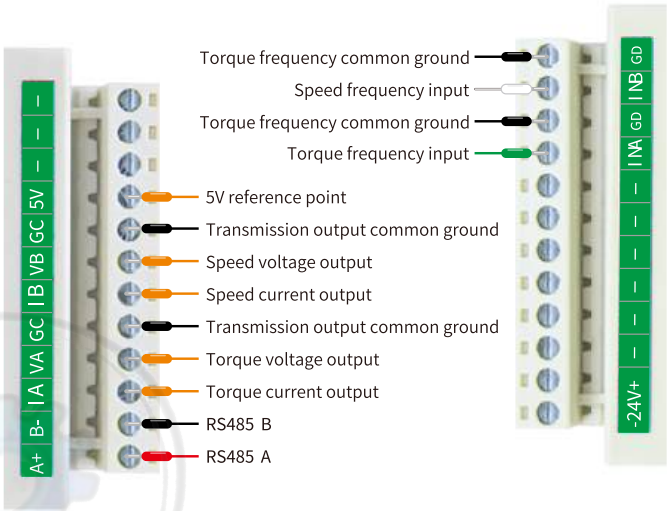
Multiple communication options are available, including analog voltage, current, RS485, and a one click reset button. Communication protocols include Modbus RTU interactive communication and ASCII upload protocol. Analog voltage output can range from 0-10V, and current output can range from 4-20mA, making it easier to express force values.

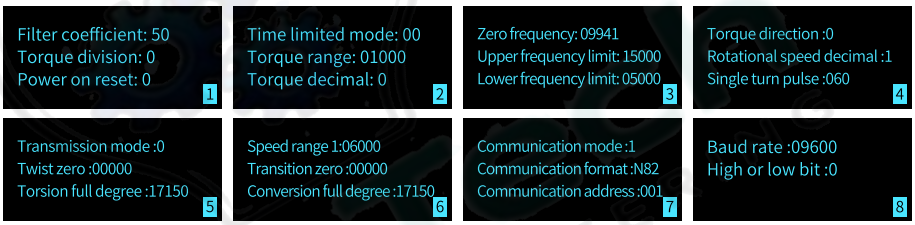
Parameters Table			
Sampling rate	Up to 320Hz, four gears adjustable	Warm float	< 20ppm
Nonlinear	Better than 0.03%	Usage environment	-20℃ to 50℃
Display division	- 99999 ~ 999999	Communication	RS485
Analog signal input range	-15 ~15mV	Analog voltage output	0-10V, 4-20mA

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DYFV12 Torque transmitter







Product Reviews

Characteristic

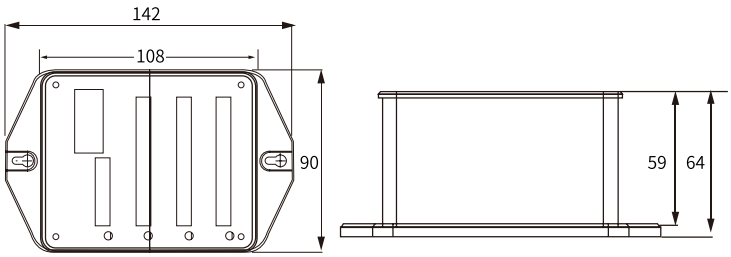
The instrument uses ARM kernel processor as the main control.
Connected with the dynamic torque sensor whose signal output is the frequency, the current torque value can be quickly read. The default torque frequency acquisition speed is up to 100 times per second. The OLED screen comes with the current torque and speed value, and the current input frequency can be displayed.
Torque and speed can be converted into current or voltage at the same time.
Supports RS485 output.
RS485 can be directly connected with the host computer of the company to obtain curve data, and can also be integrated into the RS485 network using MODBUS RTU.
Real-time reading of torque and speed values.
Current and voltage output: 4-20MA, 4-12-20MA, 0-10V, 0-5-10V, ±5V.

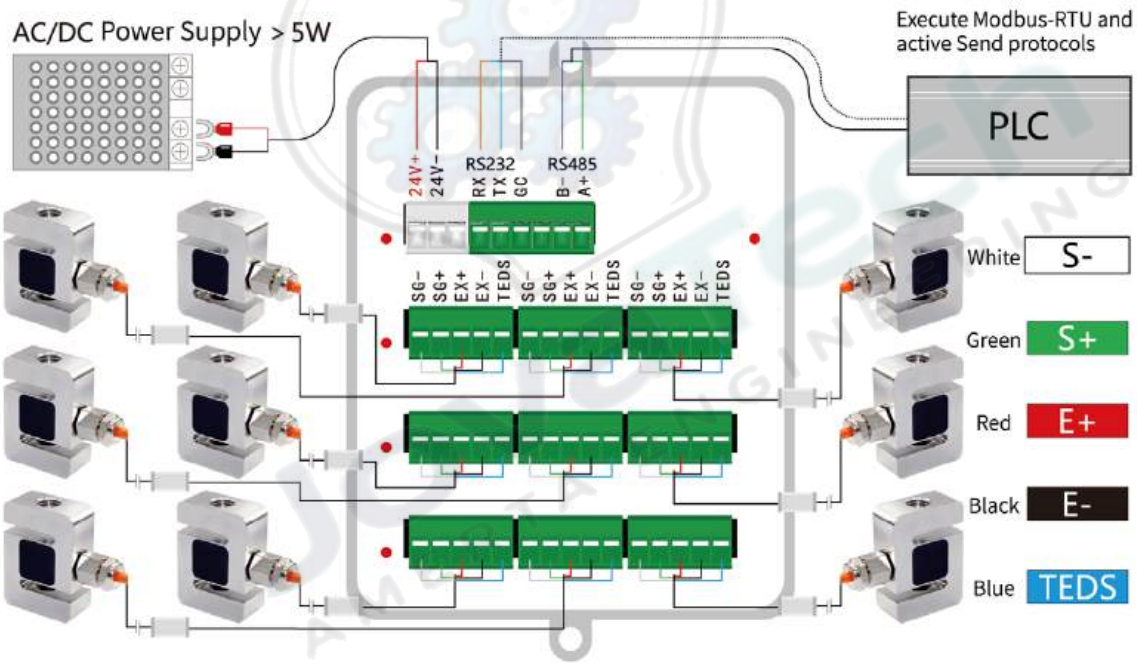
Parameters Table			
Display	OLED display (128*64)	Work environment	Temperature: -20-55 ℃ Humidity: 20-90% RH
Supply voltage	12-30v, 24V power supply, current<120MA	Measurement accuracy	± 0.05% F S
Power consumption	≤ 2.5W	Acquisition speed	100 times per second
Torque display range	-99999~99999	Degree of protection	IP65 (front panel protection)
Speed display range	0~99999	Torque input signal	3000~18000hz
Speed input signal	1-20000Hz		

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X503 Weighing transmitter







Product Reviews

Characteristic

1. The maximum sampling rate is 320HZ.
2. The nonlinearity of the instrument is better than 0.01%, and the accuracy is better than 0.1%.
3. Analog signal input range -15~15mV.
4. Temperature drift less than 20ppm.
5. Analog signal output is 10V.
6. Equipped with RS48 communication interface.
7. Operating environment -20℃ to 50℃.

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DR304 Weighing transmitter



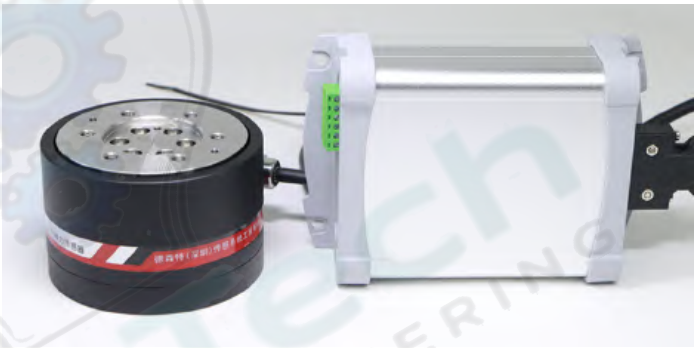
304A Ethernet output







304B Six channel analog output



Product Reviews

Characteristic

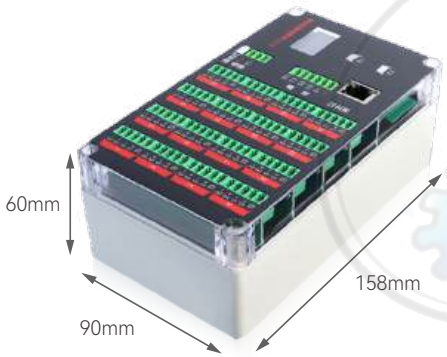
1. Six-channel acquisition, the input signal range is 30mv~30mv, the sensor power supply is 5V/200mA, the measurement division is 20 bits, the acquisition speed can be set 6.25-800 times /s.
2. RS485 communication interface: implements modbus-RTU protocol and custom active sending protocol.
3. More than 4800-115200 baud rates can be selected.
4. Ethernet port communication: Run modbus-TCP, d.asps_tcp, and d.asps_tcp.
5. D.arcs_tcp can automatically upload all real-time data, each packet length is less than 4000 bytes.
6. (Only Type A) Power supply: 24VDC, less than 50mA(without a sensor).

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X501 Weighing transmitter







1. Multiple digital output methods

Supports Ethernet port output | RS485/RS232
Support TEDS without calibration

2. Ethernet transmission characteristics

Large transmission volume
Fast speed
More than 80HZ per second for a single channel

3. The two keys switch to each other

Product Reviews

Characteristic

It can realize 16-channel force sensor data acquisition, the acquisition speed can be selected 10/20/80 times /s, the signal input range is 0-20mv, and the sensor power supply voltage is 3.3V. Supports TEDS function.

The collected data can be output over RS485 port or 232 port, and supports modbus-RTU and active upload protocol. Manufactured as ModbusRTU57600pbs. Ethernet port output, supporting Modbus-TCP and autonomous

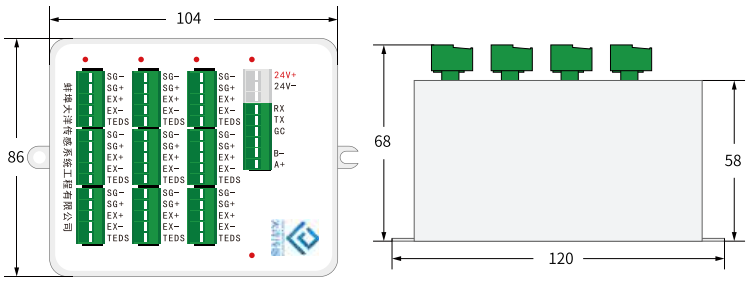
protocols. OLED display, double button operation, you can display Gerry measurement value, key reset and other operations. External power supply 20-30V DC.

Parameters Table			
Acquisition channel number	16-channel	Factory default	ModbusRTU 57600pbs
Acquisition speed	Optional 10/20/80 times/s	Ethernet port	Supports Modbus-TCP and autonomous protocols
Signal input range	0-20mv	reveal	OLED
Sensor supply voltage	3.3 V	Power source	20-30V DC
Communication protocol	RS485, 232, support modbus-RTU and active upload protocols		

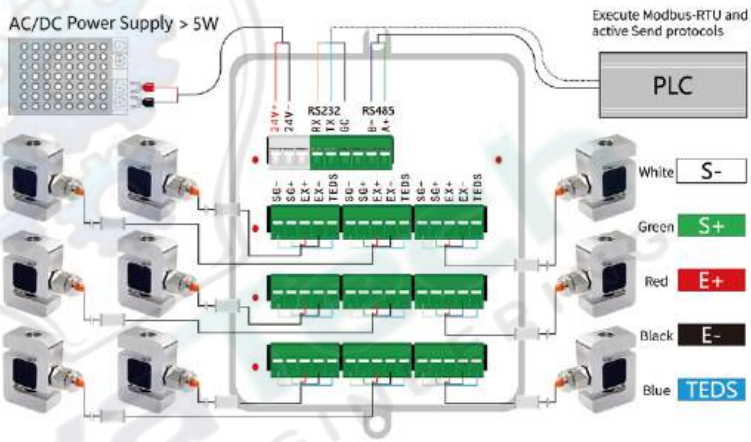
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DY094 Weighing transmitter









Product Reviews

Characteristic

1. DY094 DC voltage 24V, power less than 3W.
2. Multi-channel input, nine channels can be collected at the same time.
3. With two channels of communication RS485 and RS232
4. The collected value can be read, calibrated and cleared by means of serial port.
5. Self-calibration function, the use of the company's own TEDS sensor without calibration operation.

Parameters Table			
Power supply	24V DC	Sensor power supply	5V
power	<5W	Signal input range	±20mV
Number of channels	Route 9	Communication	RS485, RS232
Acquisition speed	10,20,80,320 times /s	Agreement	The modbus-RTU protocol and the custom active Send protocol
Internal portion degree	20-bit		

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X508A Weighing transmitter





Supply voltage 10-30DVC

RS485 communication supports Modbus-RTU communication protocol ASCII active upload

Data backup and recovery

Digital filtering/vibration filtering

Power on/automatic/manual reset/zero position tracking

Ethernet communication
Modbus TCP protocol、D.AS_TCP protocol

16 channel acquisition
The acquisition speed can be set to 10-80 times /s(per channel)

Product Reviews

Characteristic

The collector can complete internal parameter modification, zero clearing, data saving, range calibration, and digital calibration operations through RS485 communication or Ethernet communication, and can simultaneously use the RS485 serial port and Ethernet interface to read measured values.
RS485 communication supports Modbus-RTU and custom active sending protocols.
The Ethernet interface supports Modbus-TCP and D.ASs_tcp. The D.ASs_TCP protocol can upload the measured value, unit, decimal point, and system status at a specified interval. The D.ASPTC protocol also has other interactive instructions, such as read and write parameters, clear zero, calibrate, save data, etc.

Parameters Table	
Acquisition channel	16 channels, input signal range -20mv-20mv
Sampling rate	10-80 times /s(per channel)
Signal input range	0-20mv
Sensor supply voltage	24VDC, < 50mA (without sensor)
Communication Protocol	RS485 communication supports Modbus-RTU communication protocol ASCII active upload
Factory default	Modbus-RTU 57600pbs
Ethernet port	Supports Modbus TCP protocol and D.AS_TCP protocol
Display	OLED
Xero Point Temperature Drift	DC 24V

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X508B Weighing transmitter





Power on/automatic/manual reset/zero position tracking

8 channel acquisition
The acquisition speed can be set to 10-80 times /s(per channel)

Ethernet communication
Modbus TCP protocol、D.AS_TCP protocol

Supply voltage 10-30DVC

RS485 communication
Supports Modbus-RTU communication protocol ASCII active upload

Data backup and recovery

Digital filtering/vibration filtering

Product Reviews

Characteristic

The collector can complete internal parameter modification, zero clearing, data saving, range calibration, and digital calibration operations through RS485 communication or Ethernet communication, and can simultaneously use the RS485 serial port and Ethernet interface to read measured values.
RS485 communication supports Modbus-RTU and custom active sending protocols.
The Ethernet interface supports Modbus-TCP and D.ASs_tcp. The D.ASs_TCP protocol can upload the measured value, unit, decimal point, and system status at a specified interval. The D.ASPTC protocol also has other interactive instructions, such as read and write parameters, clear zero, calibrate, save data, etc.

Parameters Table	
Acquisition channel	8 channels, input signal range -20mv-20mv
Sampling rate	10-80 times /s(per channel) < 5W
Accuracy	Significant digits 20, internal degree 1000000±500000, non-linear
Temperature	-20-50℃
Temperature drift	< 30ppm
Voltage	24VDC, < 50mA (without sensor) 10-30V, < 2W (8sensors)
Sensor supply voltage	5V/200mA
Measurement division	5-bit

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