# AD Module

Modbus RTU protocol,24V DC.

The address for each module can be set using DIP switch.
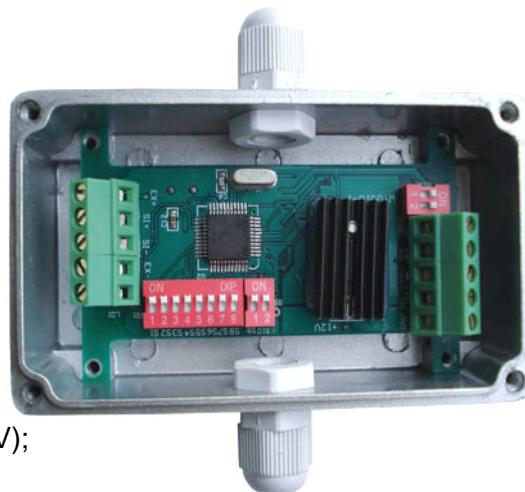
Features and Specifications

Software Protocol: Modbus RTU protocol
OperatingVoltage: 24V DC (can be changed to 6.5V-12V);
Measuring range: ±15mV
A/D Resolution:1000000
Temperature coefficient   5ppm/   typical
HardwareInterface: RS-485interface, half-duplex.
Dimensions(mm) Rectangle:86×55×18
A/D conversion,digital calibration, tare, zero setting/tracking, switch-on zero setting,anti-dithering;
All the parameters can be set through serialinterface;
Module addresses are availablefrom 0 to 31. Modules can work through bus communication;
Baud rate,parity bit and data output format can be set. 1200-38400bps;
Digital filtering: standard filtering or LPF;
Samplingspeed: 3.125-400Hz;
Storage ofthe parameters with protection against power failure;
Operating Current: less than 40mA;
Complete protection: wrong wiring protection, overvoltage protection, transient voltage suppression;
Operating temperature range: -40-+70; Storage temperature range: -60-+90

Wiring Diagram

Terminals to load cells:

EX+ Excitation Voltage Positive
SI+ Signal Positive
SI- Signal Negative
EX- Excitation Voltage Negative
SH Shield Wire
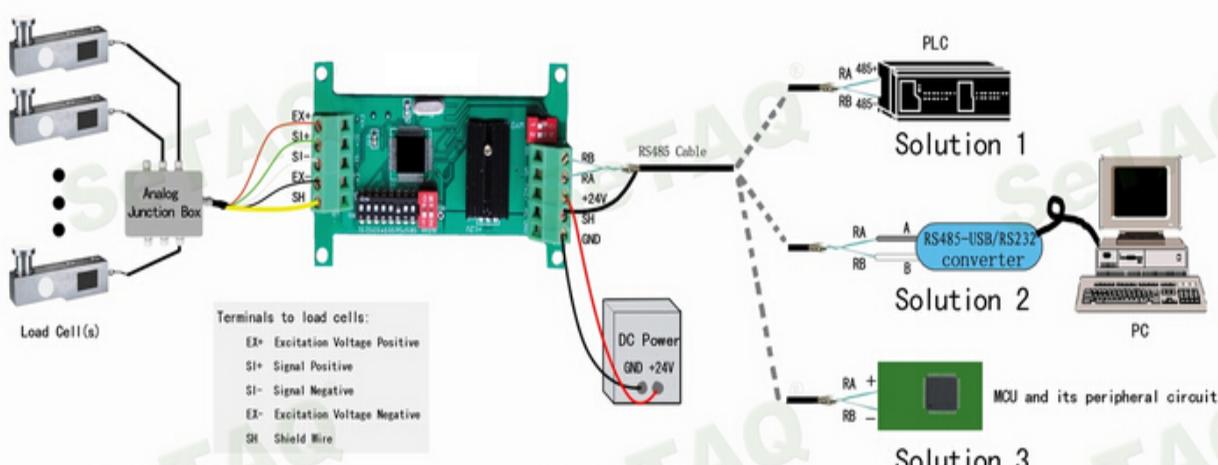
Each load cell in the above diagram has 4-wire with a shielded wire. If the load cell has 6-wire with a shielded wire, please shortcircuit feedback wire FB+ with excitation voltage wire Ex+ and FB- with Ex- separately.