ATO

INSTRUCTION

I.Product Description

The single-channel transmitter is a measurement and control equipment built by our company. It can convert the analog signal of the load cell into the standard analog signal and then control the output,which can be conveniently connected with PLC and other industrial control equipment.

II.Characteristic

1.Precision die-casting aluminum shell,surface spray treatment

2.Suitable for use in occasions with high accuracy grade and poor environment

3. Adopt anti-interference power supply design technology, with good electromagnetic tolerance（EMS）

4. Wiring uses terminal blocks and aviation plugs, and the shell has mounting holes

5. In addition to the characteristics of common transmitters, it can also reduce harmonic interference generated by frequency converters, etc.

6. The analog output can be realized A、0-5V; B、0-10V; C、0-±5V; D、0-±10V; E、4-20mA; F、Simultaneous output 0-5V & 4-20mA ; G、the center point is 12mA, the pull and pressure dual purpose 4-20mA output;

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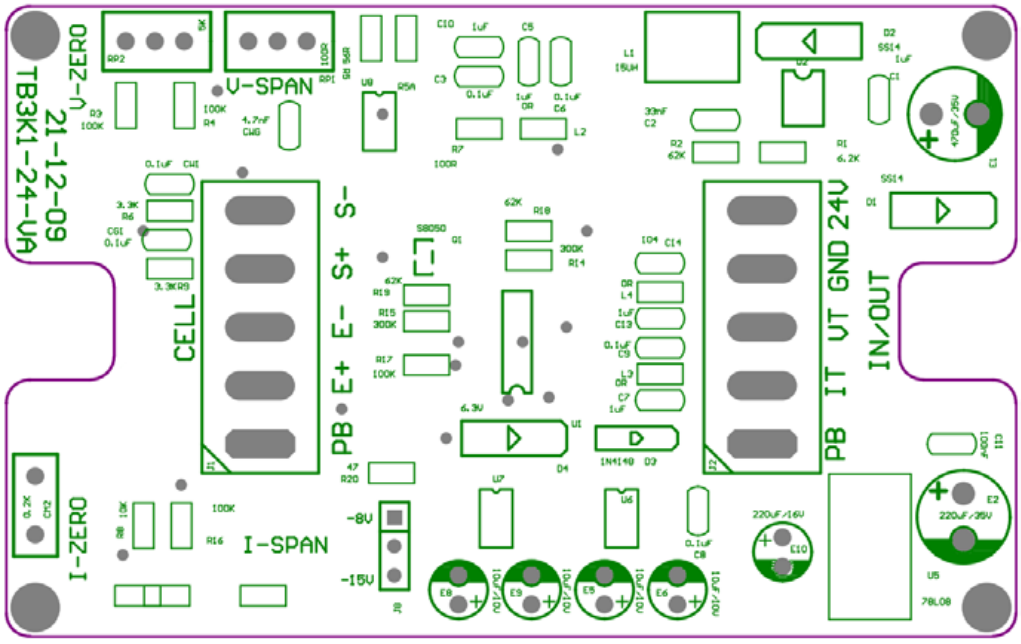
Wiring instructions



As the figure above shows:

① **There are two wiring terminals J1 and J2 in the whole board diagram.**

LEFT J1 is the terminal connecting the sensor :

PB	**Connect the sensor shielded wire**	**blue wire**
E+	**Connect the positive wire of the sensor excitation power supply**	**red wire**
E-	**Connect the negative wire of the sensor excitation power supply**	**black wire**
S+	**Connect the positive wire of the sensor signal output**	**green wire**
S-	**Connect the negative wire of the sensor signal output**	**white wire**

RIGHT J2 is the terminal connecting the transmitter to the power supply and output :

IOUT	**output +**	**white wire**
VOUT	**output +**	**white wire**
(current and voltage are only output at the same time)		
GND	**output- & power supply -**	**blue wire**
24V	**power supply +**	**red wire**

②**There are 2 adjustable resistors in the whole board diagram:**
RP2 is gain adjustment, RP1 is voltage zero adjustment;