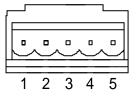
# A51XX-19

# Specifications for process signal input unit with sensor power supply

Note that this unit can be used when an AC drive power supply unit is built in it, but not when a DC drive power supply unit is built in it.

For specification other than the following, refer to the instruction manual for "Mainframe".

### 1.Term inal Arrangem ent



No.	Name	Description
1	V-IN	Positive input terminal for 1 to 5 V range
2	A-IN	Positive input terminal for 4 to 20 mA range
3	LO	Negative input terminal
4	+EXC	Power output for sensor (positive)
5	-EXC	Power output for sensor (negative)

## 2. Input Specifications

Range	Measurement range	Indication	Input impedance	Maximum permissible input	Accuracy
1V	1 to 5V	Offset : ± 9999 Full scale : 0 to ± 9999	About 1M	± 100V	± (0.2% of FS)
2A	4 to 20mA		About 10	± 100mA	

Input circuit : Single ended type

Operating system : conversion

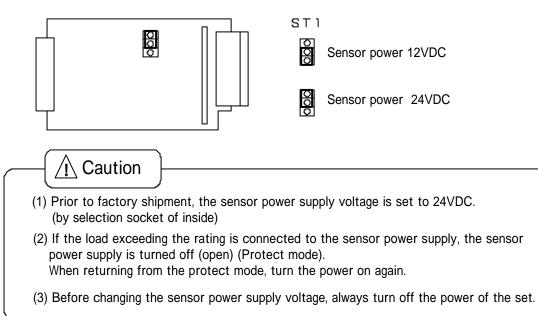
Maximum sampling rate : 12.5 times per second

Noise rejection ratio : NMR (normal mode rejection) 50 dB or more (50 or 60 Hz)

Sensor power :24VDC  $\pm$  10%, 25mA or 12VDC  $\pm$  10%, 50mA

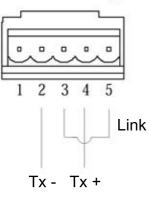
#### 3. Procedure for changing sensor power supply voltage

Change a sensor power supply voltage of 24VDC to 12VDC and vice versa according to the following: Remove the set from the case an then change the position of the selection socket on the input unit shown in the Figure below.



#### Wiring with transmitters (Tx)

### 1. Term inal Arrangement



No.	Name	Description		
1	V-IN	Positive input terminal for 1 to 5 V range		
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