

Model AI500

Digital indicator for panel mounting

Freely-selectable input: Thermocouple, RTD, 4...20mA, 0...20mA, DC0...5V, DC0...10V

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Features

- ❑ Freely-selectable input: Thermocouple, RTD, 4...20mA, 0...20mA, DC0... 5V, DC0...10V
- ❑ Transmitter power supply DC24 V
- ❑ Minimum and maximum value memory
- ❑ Support up to 4 channels alarm relay output including 2 channels high limit alarms and 2 channels low limit alarms

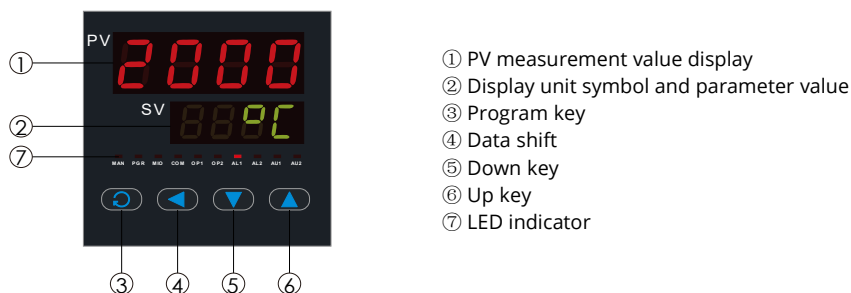
Applications

- ❑ Machine tools
- ❑ Test benches
- ❑ Level measurement
- ❑ General industrial applications

Technical data

Performance	
Display range	-1999 to 9999
Display method	LED
Accuracy	±0.3%±1 (typ.)
Power supply	AC100...240V
Alarm outputs	Two switch contacts (relay)
Relay contact	AC250V, 2A; 30VDC/1A
Power consumption	<5w
Operating temperature	0 to 60 °C
Humidity	≤75 %, non-condensing

The listed specifications and dimensions are subject to change without prior notice



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Ordering code

1	Model
AI500-S	Single channel indicator, with single display and measuring accuracy of 0.3%FS
AI500-D	Single channel indicator, with dual display and measuring accuracy of 0.3%FS
2	Panel size (Width x height x insertion depth)
A	96x96x100mm
B	96x96x70mm
C	160x80x100mm
D	160x80x70mm
E	80x160x100mm
F	80x160x70mm
G	72x72x95mm
H	48x48x95mm
I	48x96x100mm
J	96x48x100mm
K	96x96x100mm with 25 segments and 4 levels of luminosity
L	160x80x100mm with 25 segments and 4 levels of luminosity
M	80x160x100mm with 50 segments and 4 levels of luminosity
N	48x96x100mm with 25 segments and 4 levels of luminosity
O	48x96x100mm DIN rail mounted type
3	Multiple input (MIO)
00	2-wire transmitter or 4-20mA signal input, provide 24VDC to transmitter
01	0~5VDC
02	1~5VDC
03	0~10VDC
04	0~20mV
05	0~60mV
06	0~100mV
07	0~500mV
08	0~20mA
09	PT100(-200~+800°C)
10	K thermocouple(-50~+1300°C)
11	S thermocouple(-50~+1700°C)
12	R thermocouple(-50~+1700°C)
13	E thermocouple(0~+800°C)
14	J thermocouple(0~+1000°C)
15	N thermocouple(-200~+800°C)
4	Output (OUTP)
42	4~20 mA
5	Alarm (ALM)
1	Without Alarm
2	Single channel relay contact output (250VAC/2A)
3	Single channel relay contact output (250VAC/1A)
4	Dual channel N/O relay contact output (250VAC/2A)
6	Communication (COMM)
S1	Without
S2	RS485
7	Panel
N	Neutral
C	Custom label