

INTRODUCTION

The Automac CAL-500 and CAL-600 Calibrators have multiple signal outputs and can measure various parameters including Voltage, Current and Thermoelectric couple.

With their large LCD display, silicon keypad, easy to use operations, long service life, high accuracy and programmable output, it is widely used in Labs, various industrial fields, PLC process instruments etc., for debugging Electric and other parameters.



PARAMETERS

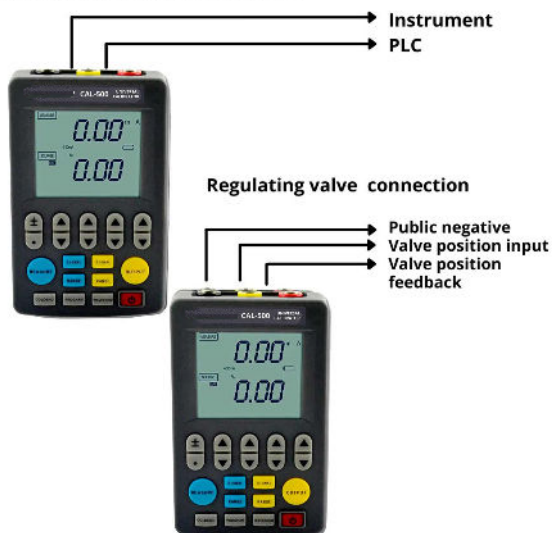
Measure & Output Signal

No.	Signal Type	Range	Accuracy	Resolution	Remarks
DC Voltage	20mV	0.00 ~ 24.00mV	±0.2%	0.01mV	Output : Maximum Current 30mA
	100mV	0.0 ~ 100.00mV	±0.2%	0.1mV	
	V	0.00 ~ 15.00V	±0.2%	0.01V	
DC mA	mA	0.00 ~ 30.00mA	±0.2%	0.01A	Active Current
	4 ~ 20mA	4/8/12/16/20mA	±0.2%	0.01mA	
Passive Current	mA	0.00 ~ 24.00mA	±0.2%	0.01mA	Output : External Current 16-30V
Power Distribution Output	24VLOOP	24V/16V	10%	0.01V	Drive Current : 24mA
Thermocouple	K	0 ~ 1372°C	±1%	1°C	The output or measured temperature cannot be lower than Cold Junction Compensation. Note: The minimum excitation current is 0.5mA and the maximum excitation current is 3mA.
	E	0 ~ 1000°C	±1%	1°C	
	J	0 ~ 1200°C	±1%	1°C	
	T	0 ~ 400°C	±1%	1°C	
	R	0 ~ 1768°C	±1%	1°C	
	B	250 ~ 1820°C	±1%	1°C	
	S	0 ~ 1768°C	±1%	1°C	
	N	0 ~ 1300°C	±1%	1°C	
Resistance**	Ω	Output 15 ~ 400Ω	±0.2%	0.1Ω	** Only in CAL-600
		Measure 0 ~ 400Ω			
Thermal Resistance**	PT-100	-199° ~ 650°C	±0.2%	0.1°C	

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Active current and voltage output
connect with instrument and PLC



Make two wire system transmitter connection method



Two wire transducer testing method



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