

INTRODUCTION

The Metravi CAL-500 has multiple signal outputs and can measure various parameters including Voltage, Current and Thermoelectric couple. With its 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

Output Signal

NO.	Signal Type	Range	Accuracy	Resolution	Remarks
DC Voltage	20mV	0.00 ~ 24.00mV	±0.1%	0.01mV	Output : Maximum Current 30mA
	100mV	0.0 ~ 100.00mV	±0.1%	0.1mV	
	V	0.00 ~ 15.00V	±0.1%	0.01V	
DC mA	mA	0.00 ~ 24.00mA	±0.1%	0.01A	Active Current
	4 ~ 20mA	4/8/12/16/20mA	±0.1%	0.01mA	
Passive Current	mA	0.00 ~ 24.00mA	±0.1%	0.01mA	Output : External Current 16-30V
Power Distribution Output	24VLOOP	24V/16V	10%	0.01V	Drive Current : 24mA
Thermocouple	K	-270 ~ 1372°C	±0.1%	1°C	Output : Above 0°C
	E	-270 ~ 1000°C	±0.1%	1°C	
	J	-210 ~ 1200°C	±0.1%	1°C	
	T	-270 ~ 400°C	±0.1%	1°C	
	R	-50 ~ 1768°C	±0.1%	1°C	
	B	0 ~ 1820°C	±0.1%	1°C	
	S	-50 ~ 1768°C	±0.1%	1°C	
	N	-270 ~ 1300°C	±0.1%	1°C	

PARAMETERS (Contd..)

Measurement Signal

NO.	Signal Type	Range	Accuracy	Resolution	Remarks
DC Voltage	20mV	0.00 ~ 24.00mV	±0.1%	0.01mV	Output : Input Impedance 1.2MΩ
	100mV	0.0 ~ 100.00mV	±0.1%	0.1mV	
	V	0.00 ~ 15.00V	±0.1%	0.01V	
DC mA	mA	0.00 ~ 24.00mA	±0.1%	0.01A	Active Current
	4 ~ 20mA	4/8/12/16/20mA	±0.1%	0.01mA	
Passive Current	mA	0.00 ~ 24.00mA	±0.1%	0.01mA	
Thermocouple	K	-270 ~ 1372°C	±0.1%	1°C	Cold Junction Compensation error is not included in accuracy
	E	-270 ~ 1000°C	±0.1%	1°C	
	J	-210 ~ 1200°C	±0.1%	1°C	
	T	-270 ~ 400°C	±0.1%	1°C	
	R	-50 ~ 1768°C	±0.1%	1°C	
	B	0 ~ 1820°C	±0.1%	1°C	
	S	-50 ~ 1768°C	±0.1%	1°C	
N	-270 ~ 1300°C	±0.1%	1°C		

Application

