



333P+

### Introduction

Model 333P+ Multifunction Process Calibrator has Multiple Signal Measurement and Output Functions, including Voltage, Current, Thermocouple, Resistance. It is with Large LCD Screen and Key Pad for Easy Operation. Key features are long standby time, high accuracy and Programmable Output function.

### Accessories



### Applications

- Used in the Debugging of PLCs
- Process Instruments
- Electric Valves
- Industrial Sites
- Laboratories
- Two Wire Transmitter Simulator

### Features

- Voltage Signal : 0 - 30V, 0 - 25mV, 0 - 100mV DC
- Current Signal : 0 - 25mA, 4 - 20mA DC
- K, E, J, T, R, B, S, N Thermocouples
- Reverse Connection and Process Protection: 30V
- Cold End and Programming Function
- Auto Power OFF
- Range Conversion Function
- Numeric Modifier Keys
- Drive Current 24mA
- Range Conversion Function
- PT100 Thermistor

### General Specifications

Unit	mA / mV / V / °C / Ω
Operating Environment	-10°C to 55°C
Storage Environment	-20°C to 70°C
Humidity	20 to 80% RH
Dimensions	115 x 70 x 26mm (approx.)
Accessories	Signal Generator x 1, Users Manual x 1, Signal Cable x 3, USB Cable x 1, Charging Plug x 1, Tool Kit x 1, Test Leads (Red and Black) x 1

### Electrical Specifications

Signal	Type	Range	Accuracy	Resolution Ratio
DC Voltage	20mv	0.00 to 24.00mV	±0.1%	0.01mV
	100mv	0.0 to 100.0mV	±0.1%	0.1mV
	V	Output : 0.00 to 15.00V	±0.1%	0.01mV
		Measure : 0.00 to 30.00V	±0.1%	0.01mV
DC Current	mA	0.00 to 24.00mA	±0.1%	0.01mA
	4 - 20mA	4/8/12/16/20mA	±0.1%	0.01mA
Passive Current	mA	0.00 to 24.00mA	±0.1%	0.01mA
Power Distribution Output	24V LOOP	24V / 16V	10%	0.1V
TC	K	-270 to 1372°C	±1%	1°C
	E	-270 to 1000°C	±1%	1°C
	J	-210 to 1200°C	±1%	1°C
	T	-270 to 400°C	±1%	1°C
	R	-50 to 1768°C	±1%	1°C
	B	250 to 1820°C	±1%	1°C
	S	-50 to 1768°C	±1%	1°C
	N	-270 to 1300°C	±1%	1°C
RTD	PT100	-200 to 850°C	±0.5%	0.1°C
Resistance	Ω	20 to 400Ω	±0.5%	0.1Ω