

PROCESS CALIBRATOR



R. S. ENTERPRISES

Specialist's in Instrumentation

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SERIES RSE25E

Basic Accuracy: $\pm 0.02\%$ F.S

*Capability to Measure & Simulate
DC Voltages, DC Current, Frequency, Resistance,
Thermocouples & RTD*

BACKLIT FOR CLEAR VISION





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**Portable, Handy
& Sturdy charring case
With grip**



- ***LOOP POWER 24VDC***
- ***Multifunction Process Calibrator***
- ***Compact, Light Weight Unit with Holster***
- ***Dual LCD with white LED for backlight***
- ***5 digits display of Measurement & 6 digits display for Simulation***

Specification Sheet Subject to change with out prior notice

Detailed Product Description

Measuring function	Range	Measuring range	Resolving power	Accuracy	Remark
DC Voltage	50mV	5.000mV55.000mV	1μV	0.02%+10	input impedance: about100MΩ
	500mV	10.00mV550.00mV	10μV	0.02%+2	
	5V	-0.1000V5.5000V	0.1mV	0.02%+5	input impedance: 1MΩ
	50V	0.00V55.00V	10mV	0.03%+5	
DC Current	50mA	5.000mA55.000mA	1μA	0.02%+2	input impedance: 10Ω
OHM	500Ω About 1mA exciting	0.00Ω550.00Ω	0.01Ω	0.02%+0.1Ω	Plough voltage: about 2.5V not including the accuracy of down-lead resistance
	5KΩ About 0.1mA exciting	0.0000 KΩ5.5000KΩ	0.1Ω	0.02%+0.5Ω	
Frequency	100Hz	2Hz110.0Hz	0.1Hz	±2	input impedance: 100 kΩ or more Square wave at least 1Vp-p 50% duty cycle
	1KHz	0.100KHz1.100KHz	1Hz		
	10KHz	0.10KHz11.0KHz	0.1KHz		
Thermocouple	R	-40°C1760°C	1°C	-4500 : 1.8	Adopt ITS-90 thermometric scale not including the accuracy of inner temperature compensatory error
	S	-20°C1760°C		501760 : 1.5	
	K	-200°C950°C	0.1°C	-2000 : 1.2 01370 : 0.8	
	E	-200°C500°C		-2000 : 0.9 01000 : 1.5	
	J	-200°C700°C		-2000 : 1.0 01200 : 0.7	
	T	-200°C400°C	-2000 : 1.0 0400 : 0.7		
	N	-200°C1000°C	-2000 : 1.5 01300 : 0.9		
B	400°C1800°C	1°C	400800 : 2.2 8001000 : 1.8 10001800 : 1.4		
Thermo resistance	PT100	-200°C700°C	0.1°C	-2000 : 0.5 0400 : 0.7 400850 : 0.8	PT100-385 thermometric scale not including the accuracy of down-lead resistance
	PT1000	-200°C630°C		-200100 : 0.22 100300 : 0.3 300630 : 0.4	
	Cu50	-50°C150°C		-500 : 0.5 0150 : 0.7	
Switch mete measure	About 1mA exciting	CLOSE / OPEN			
Continuity test	500Ω About 1mA exciting	≤50Ω vocalism	0.01Ω		

General Characters

POWER	4x 1.5V AAA alkaline batteries/electric battery
Working Temperature & Humidity	0 To 50 °C, ≤80 % RH:70%RH<40-50°C
Deposited Temperature & Humidity	-25 TO 60 °C ≤ 90 % RH
Working Height	≤2000m cannot under Height
Proof Cycle	1 Year
Warm- Uptime	Boot-strap warm-up time is 10 minute or other
Display	LCD Double displaying :68.0 x 36.3mm
Backlit	White LED back light can set BL time 0 – 9000s
Accessory	Test leads, fuse, Test Manual
Size & Weight	205x95x42(mm), weight about 500gm

OTHER PRODUCTS

Data logger

Scanners

Temperature & Humidity sensors

Paperless recorder

Controllers

Isolators

FLAME PROOF INSTRUMENTS



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