

**Multi-function Process Calibrators**

**Digital Temperature Calibrators**

Model: 02S



**Features**

Model	02S
LCD with backlight	√
Flash light	√
Data hold	√
Auto power off	√
Low battery indication	√
cold-end compensation	√
3W or 4W thermal resistance measurement	√
Temperature unit	°C/°F convertible

**General Information**

Model	02S
Power supply	1.5V AA battery x 3pcs
Product color	Black+ blue
Product weight	300g
Product size	131*65*35mm
Standard accessories	pouch, manual, batteries, test leads, thermocouple adapter

**Specifications**

Output function	Range	Output range	Accuracy
DC voltage	100mV	-10.000mV~110.00mV	0.05%+0.03mV
DCV	1V	-0.1000V~1.1000V	0.05%+0.3mV
Resistance	400Ω	0~400.0Ω	0.05%+0.2Ω
OHM	4KΩ	0~4.000KΩ	0.05%+2Ω
Thermocouple TC	R	0°C ~ 1767°C	1.2°C
	S	0°C ~ 1767°C	1.2°C
	K	-200.0°C ~ 1372.0°C	0.5°C
	E	-200.0°C ~ 1000.0°C	0.4°C
	J	-200.0°C ~ 1200.0°C	0.5°C
	T	-250.0°C ~ 400.0°C	0.6°C
	N	-200.0°C ~ 1300.0°C	0.7°C

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	B	600°C ~ 1820°C	1.1°C
	A	0°C ~ 2500°C	0.2°C
	C	0°C ~ 2310°C	0.2°C
	D	0°C ~ 2310°C	2.2°C
Thermal Resistance RTD	Pt100(385)	-200.0°C ~ 800.0°C	0.3°C
	Pt200(385)	-200.0°C ~ 630.0°C	0.8°C
	Pt500(385)	-200.0°C ~ 630.0°C	0.4°C
	Pt1000(385)	-200.0°C ~ 630.0°C	0.2°C
	Cu50	-50.0°C ~ 150.0°C	0.6°C
<b>Measurement function</b>	<b>Range</b>	<b>Measurement range</b>	<b>Accuracy</b>
DC voltage DCV	100mV	-110.000mV~110.000mV	0.05%+0.03mV
	1V	-1.1000V~1.1000V	0.05%+0.3mV
	30V	-30.000V ~ 30.000V	0.02%+2mV
Resistance OHM	500Ω	0~550.00Ω	0.05%+0.2Ω
	5KΩ	0~5.5000KΩ	0.05%+2Ω
Thermocouple TC	R	0°C ~ 1767°C	2°C
	S	0°C ~ 1767°C	2°C
	K	-100.0° ~ 1372.0°C	0.8°C
	E	-50.0°C ~ 1000.0°C	0.9°C
	J	-60.0°C ~ 1200.0°C	0.7°C
	T	-100.0°C ~ 400.0°C	0.7°C
	N	-200.0° ~ 1300.0°C	0.9°C
	B	600°C ~ 1820°C	1.4°C
	A	0°C ~ 2500°C	2.0°C
	C	0°C ~ 2310°C	2.0°C
	D	0°C ~ 2310°C	2.2°C
Thermal resistance RTD (3W)	Pt100 (385)	-200.0°C ~ 800.0°C	0.5°C
	Pt200(385)	-200.0°C ~ 630.0°C	0.8°C
	Pt500(385)	-200.0°C ~ 630.0°C	0.4°C
	Pt1000(385)	-200.0°C ~ 630.0°C	0.3°C
	Cu50	-50.0°C ~ 150.0°C	0.7°C
On/off detection	500Ω	≤50Ω sounding	---