

4600S Precision Thermometer



- System accuracy to $\pm 0.025^{\circ}\text{C}$ from 0°C to 50°C with dedicated probe and 4-point calibration
- $^{\circ}\text{C}$ or $^{\circ}\text{F}$ readout
- RS-232 communication capability

DESCRIPTION

High precision thermometer for use with dedicated thermistor probe.

FEATURES

- RS-232 communication capability
- $^{\circ}\text{C}$ or $^{\circ}\text{F}$ readout
- Probe uses 46000 Series Super-stable sensor

APPLICATIONS

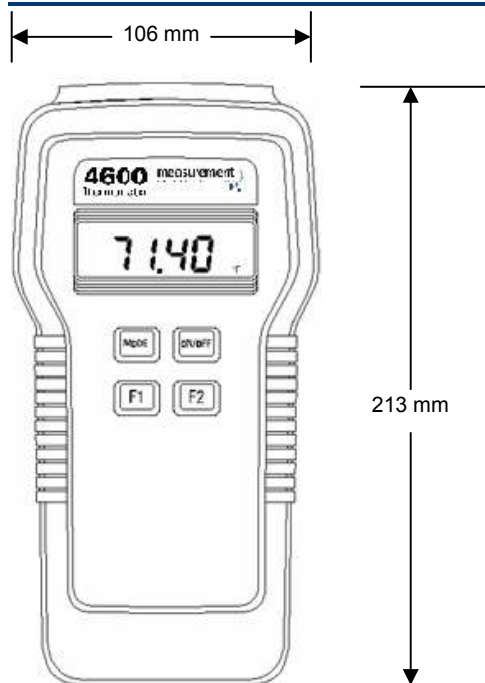
- Metrology measurements
- High precision in-process validations

PERFORMANCE SPECS

Parameter		Units	Value
System Accuracy	0° to 50°C w/single point calibration	$\pm^{\circ}\text{C}$	0.025
	0° to $+70^{\circ}\text{C}$ w/4-point calibration (Group A)	$\pm^{\circ}\text{C}$	0.037
	0° to $+100^{\circ}\text{C}$ w/4-point calibration (Group B)	$\pm^{\circ}\text{C}$	0.078
	-40° to $+70^{\circ}\text{C}$ w/4 point calibration (Group C)	$\pm^{\circ}\text{C}$	0.115
	-40° to $+125^{\circ}$ w/4-point calibration (Group D)	$\pm^{\circ}\text{C}$	0.141
Calibration Points	Group A	$^{\circ}\text{C}$	0, +25, +40, +70
	Group B	$^{\circ}\text{C}$	0, +40, +70, +100
	Group C	$^{\circ}\text{C}$	-40, 0, +40, +70
	Group D	$^{\circ}\text{C}$	-40, +25, +70, +125
Resolution:	-40° to $+100^{\circ}\text{C}$	$^{\circ}\text{C}$	0.01
	$+102^{\circ}$ to $+150^{\circ}\text{C}$	$^{\circ}\text{C}$	0.02
Repeatability (-20° to $+100^{\circ}\text{C}$) typical for 1 week at constant ambient temperature		$^{\circ}\text{C}$	0.0002 to .001
Reading Rate per Second			2
Battery Life		Hours	20
Operating Conditions		$^{\circ}\text{C}$	10 to 40
		% RH	85

4600S Precision Thermometer

BLOCK DIAGRAM



ORDERING INFORMATION

Part Number	Description	Probes	MOQ
SP4600S-XX	4600 Precision Thermometer System	Super-stable thermistor based	1

* For quantities less than Minimum Order Quantity – contact distribution

联系方式



深圳市亿为测控电子有限公司
Shenzhen Bill-Well Measurement & Control Electronics Co., Ltd.

广东省深圳市南山区创业路怡海广场东座2407 邮编：518000
电话：+86 755 2641 9890 传真：+86 755 2641 9680
电子邮箱：sales@bill-well.com

www.bill-well.com
2/2

深圳市亿为测控电子有限公司