

C.A 1623 calibrator for resistance temperature-probes

The C.A 1623 is capable of measuring and simulating up to 7 different types of probes and a resistor

Specifications for measurement (input) / simulation (output):

Range	4-wire measurement accuracy $\pm \Omega$	Simulation accuracy $\pm \Omega$	Acceptable excitation in mA
0.00 Ω to 400.00 Ω	0.1 0.1	0.15 0.1	0.1 to 0.5 0.5 to 3.0
400.0 Ω to 1,500.0 Ω	0.5	0.5	0.05 to 0.8
1,500.0 Ω to 3,200.0 Ω	1 2	1	0.05 to 0.4

Mode	Range	4-wire input	Accuracy in $^{\circ}\text{C}$ 2-wire/3-wire input	Output	Acceptable excitation in mA
Pt10 385	-200 to +800 $^{\circ}\text{C}$				0.1 to 3.0
Pt50 385	-200 to +800 $^{\circ}\text{C}$	0.7	1.0	0.7	0.1 to 3.0
Pt100 385	-200 to +800 $^{\circ}\text{C}$	0.33	0.5	0.33	0.1 to 3.0
Pt200 385	-200 to +250 $^{\circ}\text{C}$	0.2	0.3	0.2	0.1 to 3.0
	+250 to +630 $^{\circ}\text{C}$	0.8	1.6	0.8	
Pt500 385	-200 to +500 $^{\circ}\text{C}$	0.3	0.4	0.6	0.05 to 3.0
	+500 to +630 $^{\circ}\text{C}$	0.9	0.3	0.4	
Pt1000 385	-200 to +100 $^{\circ}\text{C}$	0.2	0.2	0.4	0.1 to 3.0
	+100 to +630 $^{\circ}\text{C}$	0.5	0.2	0.2	
Pt100 JIS	+200 to +630 $^{\circ}\text{C}$	0.2	0.5	0.3	0.1 to 3.0

