

Calibrator Selection Guide

Dry Block Probe Calibrators



Series No.	TRCIII-A	TRCIII	CL900A	CL900	CL1000	CL120	CL134	CL355A	CL-700A	CL770A
Page No.	K-13	K-15	K-23	K-25	K-27	K-29	K-29	K-33	K-35	K-37
Base Price	\$1475	\$1175	\$3295	\$2995	\$990	\$2600	\$6450	\$1933	\$3472	\$3795
Insert/Well**	P	P	R	R	P	A/P	A/P	R	R	R
Heat/Cool	cool	cool	heat	heat	heat	ht/cl	ht/cl	ht	ht/cl	ht/cl
Single/Multi Source	single	single	single	single	single	multi	multi	single	single	single
Built-In Sensor Measurement						✓				
Power Requirement	115/230V	115/220V	115/230V	115/220V	115/230V	115/230V	115/230V	115/230V	115/230V	115/230V

****Note:** A/P = Adjustable/ Permanent
P=Permanent
R=Removable
✓ = has this feature

Instrument Calibrator/ Thermometer



Series No.	CL601	CL603	CL-3512A	CL3515R	CL510	CL514	CL543	CL542	CL300A
Page No.	K-47	K-47	K-48	K-49	K-50	K-51	K-53	K-55	K-56
Base Price	\$99	\$89	\$159	\$295	\$330	\$845	\$1295	\$845	\$705
Measurement									
Thermocouple						✓	✓	✓	✓
RTD				✓		✓	✓		
Thermistor									
Voltage								✓	✓
Current									
Resistance							✓	✓	
Simulate									
Thermocouple	✓		✓			✓	✓	✓	✓
RTD				✓	✓		✓		
Thermistor									
Voltage				✓				✓	✓
Current		✓							
Resistance							✓	✓	
Features									
Simultaneous IN/OUT									
Ramp/Soak									
Step					✓				
Self Excitation									
Traceability (NIST)†	OPT	OPT	OPT	✓	OPT	✓	✓	✓	✓
Digital Communication						✓			

†Note: OPT = Optional STD = Included Standard
✓ = has this feature



Infrared Blackbody Calibrators

Series No.	BB-2A	BB701	BB702	BB703	BB704	BB-4A	BB705
Page No.	K-5	K-6	K-7	K-8	K-9	K-10	K-11
Price	\$650	\$2995	\$1995	\$890	\$2495	\$3595	\$9995
Emissivity	0.95	0.95	0.95	0.95	0.95	0.99	0.99
Heat/Cool	heat	heat/cool	heat	heat	heat	heat	heat
Target Plate/ Cavity Cone Size ^{††}	TP 152 mm (6")	TP 64 mm (2.5")	TP 64 mm (2.5")	TP 28 mm (1.1")	TP 101 mm (4")	CC 22 mm (0.88")	CC 44 mm (1.7")
NIST Calibration		✓	✓	✓	✓	✓	✓
RS-232 Comm.		✓	✓	optional	✓	✓	✓
Power Requirement	115/230V	115/230V	115/230V	115/230V	115/230V	115/230V	115/230V

^{††}Note:

TP = Target Plate
CC = Cavity Cone
✓ = has this feature



Instrument Calibrator/ Thermometer

Series No.	CL540	CL123	CL309A	CL530	CL531	CLH-II	CL20	CA71	CLD-II
Page No.	K-57	K-57	K-59	K-61	K-62	K-63	K-67	K-71	K-89
Base Price	\$330	\$600	\$649	\$529	\$450	\$450	\$550	\$1300	\$2765
Measurement									
Thermocouple							✓	✓	✓
RTD							✓	✓	✓
Thermistor							✓		✓
Voltage						✓		✓	✓
Current			✓	✓	✓	✓		✓	✓
Resistance							✓	✓	✓
Simulate									
Thermocouple	✓	✓					✓	✓	✓
RTD							✓	✓	✓
Thermistor							✓		✓
Voltage		✓						✓	✓
Current		✓	✓	✓	✓	✓		✓	✓
Resistance							✓	✓	✓
Features									
Simultaneous IN/OUT								✓	✓
Ramp/Soak		✓				✓	✓	✓	✓
Step	✓	✓		✓		✓	✓	✓	✓
Self Excitation						✓		✓	✓
Traceability (NIST) [†]	OPT	OPT	✓	OPT	✓	OPT	✓	OPT	OPT
Digital Communication								✓	✓

[†]Note: OPT = Optional STD = Included Standard
✓ = has this feature





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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters