

## ► Advantages

- High Accuracy and Stability
- Fast Calibration
- Easy to Carry
- Intuitive Operation
- Two Year Warranty
- [Free Calibration Software](#)
- Innovative Patented Technology
- [Dynamic Load Compensation](#)
- [Accredited Certificates](#) (Optional)
- Plug & Play Reference Sensors
- [Application Specific Inserts](#)
- High Profile Design

-100°C	155°C
-90°C	125°C
-45°C	155°C
-30°C	155°C
-25°C	155°C
-23°C	155°C
-22°C	155°C
-25°C	155°C
-10°C	125°C

Temperature Range

Model	RTC-159	PTC-125	RTC-157	RTC-156	PTC-155	ITC-155	RTC-158	CTC-155	ETC-125
Functions	X,Y	X	Y	Y		Y			
Specifications	0.30 0.06 0.030 0.001 Dry 29.7 190	0.30 0.07 0.030 0.01 Dry 29.7 190	0.10 0.04 0.005 0.001 Dry 29.7 160	0.10 0.04 0.005 0.001 Dry 29.7 160	0.18 0.06 0.010 0.01 Dry 25.8 160	0.18 — 0.010 0.1 Dry 19.9 160	0.18 0.04 0.010 0.001 Dry/Wet 63.5 180	0.30 0.20 0.050 0.1 Dry 25.8 120	0.50 — 0.050 0.1 Dry 12.5 110
Model	<a href="#">RTC-159</a>	<a href="#">PTC-125</a>	<a href="#">RTC-157</a>	<a href="#">RTC-156</a>	<a href="#">PTC-155</a>	<a href="#">ITC-155</a>	<a href="#">RTC-158</a>	<a href="#">CTC-155</a>	<a href="#">ETC-125</a>

28°C	250°C
33°C	320°C
28°C	350°C
33°C	320°C
33°C	350°C
28°C	400°C
28°C	INFRARED 400°C
33°C	650°C
28°C	660°C
33°C	650°C
33°C	660°C
33°C	700°C
300°C	1250°C

Temperature Range

Model	RTC-250	ITC-320	CTC-350A	CTC-320B	PTC-350	ETC-400	ETC-400R	ITC-650	CTC-660A	CTC-650B	PTC-660	RTC-700	CTC-1200
Functions	Y				Z								
Specifications	0.28 0.07 0.020 0.001 Dry/Wet 63.5 180	0.25 — 0.020 0.1 Dry 29.7 150	0.45 0.25 0.050 0.01 Dry 25.7 110	0.50 — 0.100 0.1 Dry 25.7 190	0.20 0.08 0.020 0.01 Dry 25.8 140	0.50 — 0.150 0.1 Dry Fixed 105	0.50 — 0.300 0.1 Dry 36.0 —	0.45 — 0.040 0.1 Dry 29.7 150	0.85 0.45 0.080 0.01 Dry 25.7 110	0.60 — 0.050 0.1 Dry 25.7 190	0.30 0.15 0.040 0.01 Dry 24.8 150	0.29 0.11 0.020 0.001 Dry 29.8 200	2.00 — 0.100 0.1 Dry 25.0 135
Model	<a href="#">RTC-250</a>	<a href="#">ITC-320</a>	<a href="#">CTC-350A</a>	<a href="#">CTC-320B</a>	<a href="#">PTC-350</a>	<a href="#">ETC-400</a>	<a href="#">ETC-400R</a>	<a href="#">ITC-650</a>	<a href="#">CTC-660A</a>	<a href="#">CTC-650B</a>	<a href="#">PTC-660</a>	<a href="#">RTC-700</a>	<a href="#">CTC-1200</a>



## Dynamic Load Compensation

DLC function makes the homogeneity independent of the different loads of the insert. The DLC sensor improves the homogeneity even more by controlling the homogeneity not only in the well, but also inside the insert, where the sensors-under-test are placed during calibration.



## Free calibration software

JOFRACAL is our highly versatile calibration software that is supplied with the calibrator. The software ensures easy calibration of various temperature sensors, such as RTD's, thermocouples, transmitters and thermo switches. It integrates with all our calibration instruments.



## Clamp Sensor Calibration

Most of the temperature sensors used for measurement within the food industry have to be approved for sanitary applications. Therefore, the temperature sensors have been designed in such a way that only a minimal number of germs or contaminants can conceal themselves on the sensors. Unfortunately, a side effect of these designs is that the sensors cannot be calibrated in a standard calibrator. The RTC-156 overcomes that problem by using a special designed clamp insert together with our short and flexible STS-102 reference sensor.

## MVI - Mains Variance Immunity

The cycling of supply power can cause the temperature regulator to perform inconsistently, leading to both inaccurate readings and unstable temperatures. Our MVI system eliminates errors from unstable mains power.

## Patented Technology

- X)** The cooling/heating technology used in our ultra coolers makes it possible to cover a very broad temperature range from -100 to 155°C.
- Y)** The DLC technology increases the temperature homogeneity and documents it in the display.
- Z)** The cooling speed of our heater calibrators for the RTC and PTC Series, is improved by using a special insulation.

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- High Profile Design

-148°F	311°F
-130°F	257°F
-49°F	311°F
-22°F	311°F
-13°F	311°F
-9°F	311°F
-8°F	311°F
-13°F	311°F
14°F	257°F
<b>Temperature Range</b>	

Internal Accuracy (°F)	External Accuracy (°F)	Stability (°F)	Resolution (°F)	Type	Insert Diameter (in)	Immersion Depth (in)	External Ref. Sensor	Sensor Under Test Input*	Dynamic Load Compensation	Clamp Calibration	Set Follows True	Autostep	Switch Test	Mains Variance Immunity	Patented Technology	Model
0.54	0.11	0.054	0.001	Dry	1.17	7.48	✓	✓	✓	✓	✓	✓	X,Y		<a href="#">RTC-159</a>	
0.54	0.13	0.054	0.01	Dry	1.17	7.48	✓	✓		✓	✓	✓	X		<a href="#">PTC-125</a>	
0.18	0.07	0.009	0.001	Dry	1.17	6.30	✓	✓	✓	✓	✓	✓	Y		<a href="#">RTC-157</a>	
0.18	0.07	0.009	0.001	Dry	1.17	6.30	✓	✓	✓	✓	✓	✓	Y		<a href="#">RTC-156</a>	
0.32	0.11	0.018	0.01	Dry	1.02	6.30	✓	✓		✓	✓	✓			<a href="#">PTC-155</a>	
0.32	—	0.018	0.1	Dry	0.78	6.30					✓	✓			<a href="#">ITC-155</a>	
0.32	0.07	0.018	0.001	Dry/Wet	2.50	7.09	✓	✓	✓	✓	✓	✓	Y		<a href="#">RTC-158</a>	
0.54	0.36	0.070	0.01	Dry	1.02	4.53	✓			✓	✓	✓			<a href="#">CTC-155</a>	
0.90	—	0.090	0.1	Dry	0.50	4.33				✓	✓	✓			<a href="#">ETC-125</a>	
<b>Specifications</b>		<b>Functions</b>												<b>Model</b>		

82°F	482°F
91°F	608°F
82°F	662°F
91°F	608°F
91°F	662°F
82°F	752°F
82°F	INFRARED 752°F
91°F	1202°F
82°F	1220°F
91°F	1202°F
91°F	1220°F
91°F	1292°F
572°F	2200°F
<b>Temperature Range</b>	

Internal Accuracy (°F)	External Accuracy (°F)	Stability (°F)	Resolution (°F)	Type	Insert Diameter (in)	Immersion Depth (in)	External Ref. Sensor	Sensor Under Test Input*	Dynamic Load Compensation	Clamp Calibration	Set Follows True	Autostep	Switch Test	Mains Variance Immunity	Patented Technology	Model
0.50	0.13	0.036	0.001	Dry/Wet	2.50	7.09	✓	✓	✓	✓	✓	✓	✓	Y	<a href="#">RTC-250</a>	
0.45	—	0.036	0.1	Dry	1.17	5.91				✓	✓	✓	✓		<a href="#">ITC-320</a>	
0.81	0.45	0.090	0.01	Dry	1.01	4.33	✓		✓	✓	✓	✓	✓		<a href="#">CTC-350A</a>	
0.90	—	0.180	0.1	Dry	1.01	7.48				✓	✓	✓	✓		<a href="#">CTC-320B</a>	
0.36	0.15	0.036	0.01	Dry	1.02	5.51	✓	✓	✓	✓	✓	✓	✓	Z	<a href="#">PTC-350</a>	
0.90	—	0.270	0.1	Dry	Fixed	4.13				✓					<a href="#">ETC-400</a>	
0.90	—	0.540	0.1	Dry	1.42	—				✓					<a href="#">ETC-400R</a>	
0.81	—	0.070	0.1	Dry	1.17	5.91				✓	✓	✓	✓		<a href="#">ITC-650</a>	
1.53	0.81	0.140	0.01	Dry	1.01	4.33	✓		✓	✓	✓	✓	✓		<a href="#">CTC-660A</a>	
1.08	—	0.090	0.1	Dry	1.01	7.48				✓	✓	✓	✓		<a href="#">CTC-650B</a>	
0.54	0.27	0.072	0.01	Dry	0.98	5.91	✓	✓	✓	✓	✓	✓	✓	Z	<a href="#">PTC-660</a>	
0.52	0.20	0.036	0.001	Dry	1.17	7.87	✓	✓	✓	✓	✓	✓	✓	Y,Z	<a href="#">RTC-700</a>	
3.60	—	0.180	0.1	Dry	0.98	5.32				✓	✓	✓	✓		<a href="#">CTC-1200</a>	
<b>Specifications</b>		<b>Functions</b>												<b>Model</b>		



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