



Advanced Test Equipment Rentals
www.atecorp.com 800-404-ATEC (2832)



TC SERIES

When you think of value, think of the Tenney

Benefits:

- Robust design delivers consistent, reliable, repeatable results that lead to higher productivity
- Programmable controller - Watlow F4 - is very intuitive - easy to set up and user-friendly
- Constructed for long life and thermal integrity

Standard Features

- Watlow F4 controller
- Solid state humidity sensor
- Platinum RTD temperature sensor
- Heavy duty leveling casters
- Nichrome wire air heater
- Solid state pressure switches
- Backup safety thermal cutoff
- Chamber vent port
- Communications - RS485 and RS232



Options

- Shelves
- FM approved safety OTP
- Ethernet port
- Heated viewing glass window
- Chamber light
- UL 508A compliant
- Main electrical disconnect

**[One year
parts and labor
warranty]**



Shown with Optional Window and Main Electrical Disconnect



www.tenney.com/tc



Controller Features



- Single or Dual Channel
- Profiling: 40 Profiles, 256 Steps
- Automatic & Manual Control
 - 1 Input: Universal Type (RTD is Std.)
- 4 Digital Inputs
- 2 Control Outputs: Time Proportioned, On/Off, or 4-20 ma
- 2 Alarm Outputs
- 8 Digital Event Outputs
- 2 Retransmit Outputs - Optional
- Communications: EIA-232 and EIA-485 with Modbus RTU protocol

Model	TC10S	TC10C	TC10RS	TC10RC
Cubic Feet	10			
Liters	283			
Work Space (W x D x H)	24" x 27.5" x 28" / 61cm x 69cm x 71cm			
Exterior (nominal) (W x D x H)	33.625" x 59.121" x 73.898" / 86cm x 151cm x 188cm			
Unit Weight (LBS)	1000	1154	1000	1154
Temperature Range	-35°C	-73°C	-35°C	-73°C
	200°C	200°C	200°C	200°C
Humidity Range *	-	-	20% - 95%RH	20% - 95%RH
Cooling Rate (empty chamber) Min (C/min)				
180C to -65C	-	77 (3.1)	-	77 (3.1)
180C to -35C	71 (3)	56 (3.8)	71 (3)	56 (3.8)
125C to -35C	60 (2.6)	41 (3.9)	60 (2.6)	41 (3.9)
85C to -20C	28 (3.7)	25 (4.2)	28 (3.7)	25 (4.2)
85C to -35C	53 (2.2)	30 (4)	53 (2.2)	30 (4)
ambient to -35C	31 (1.9)	16 (3.7)	31 (1.9)	16 (3.7)
ambient to -68C	-	38 (2.4)	-	38 (2.4)
Heating Rate (empty chamber) Min (C/min)				
-65C to 180C	-	35 (7)	-	35 (7)
-35C to 180C	30 (7.1)	31 (6.9)	30 (7.1)	31 (6.9)
-35C to 125C	20 (8)	20 (8)	20 (8)	20 (8)
-20C to 85C	11 (9.5)	13 (8)	11 (9.5)	13 (8)
-35C to 85C	10 (12)	14 (8.5)	10 (12)	14 (8.5)
-35C to ambient	6 (10)	7 (8.5)	6 (10)	7 (8.5)
-68C to ambient	-	10 (9.3)	-	10 (9.3)
Live Load Watts @ -18C	950	1450	950	1450
Live Load Watts @ -40C	-	1050	-	1050
Live Load Watts @ -54C	-	800	-	800
Temperature Control	±0.3°C after stabilization			
Temperature Uniformity	±3°C @ 65°C			
Humidity Control	-	-	±2% RH	±2% RH
Air Flow Rate	275 CFM			
Heat Capacity	3KW			
Humidifier Capacity	-	-	2KW	2KW
Refrigeration	2 HP	(2) 2 HP	2 HP	(2) 2 HP
Condenser	Air Cooled - Std Water Cooled - Option			
Power	208V - 230V 1P 60Hz			
Amp - Fuse	40	60	50	60
Amp - Under Load	32	45	40	45
Power	460V 1P 60Hz			
Amp - Fuse	20	30	30	30
Amp - Under Load	16	23	20	23

All technical data specified for units with standard equipment. All figures are typical average values for TC Series devices. SPX Thermal Product Solutions reserves the right to alter technical specifications at any time. Data may vary depending on ambient conditions, product load, or other changes causing interference to chamber airflow.

Specifications and Product Information is subject to change without notice. Images for reference only. Some options and accessories may not be included with all configured models.

Performance estimates based on 230v 1P 60Hz
 *Humidity Range: based on temperature range 20°C to 85°C limited by 3°C dewpoint

