

Electrothermal Heating Mantles



Set-Temp® Digital Temperature Controller



State of the Art Temperature Controller!

- Ideal for heating tapes, cords and mantles
- Easy to operate
- Built-in safety feature
- Adapters provide a convenient means to hold a temperature probe into a vessel, similar to a cork.



Model 3111

Product Description

- In instances where the thermocouple cannot be placed precisely where temperature sensing is needed, a temperature offset can be introduced to make the control's temperature readout more meaningful.
- If the control loop is broken, Set-Temp Digital automatically shuts off heater power to reduce the likelihood of thermal runaway.
- Non-volatile memory retains temperature settings during power interruptions.
- Models are available for use with Type-K or Type-J thermocouples.
- Adapters provide a convenient means to hold a temperature probe into a vessel, similar to a cork.

Operation

- The up and down keys permit direct and accurate set point selection. The control panel simultaneously displays the thermocouple and set temperature to 0.1°C.
- A simple to start, automatic tuning process allows the control to "learn" about your application and automatically make adjustments to provide the best temperature control with minimum ripple and overshoot.
- All models have a temperature display accuracy of $\pm 0.1\%$ of span $\pm 1^\circ\text{C}$ and a temperature resolution of 0.1°C.
- Type-K thermocouples have a temperature range of 0.0 to 1250°C. Type-J thermocouples: 0.0 to 1250°C. (Selected probe will dictate actual temperature range within ranges specified.)

ORDERING INFORMATION

Model #	Electrical (50/60 Hz)		W	Overall Dimensions Inches(cm)		Shipping Weight Lb. (kg)	US List Price
	Volts	Watts		H	D		
3110	240, Type K	5	4.1 (10.4)	5.7 (14.5)	6.3 (16)	5 (2.3)	\$984.00
3110-33'	230, Type K	5	4.1 (10.4)	5.7 (14.5)	6.3 (16)	5 (2.3)	\$984.00
3111	120, Type K	5	4.1 (10.4)	5.7 (14.5)	6.3 (16)	5 (2.3)	\$984.00
3211	120, Type J	5	4.1 (10.4)	5.7 (14.5)	6.3 (16)	5 (2.3)	\$984.00

Some heating devices contain electronic circuits which may make them incompatible with Set-Temp Digital. Since Set-Temp Digital delivers pulses of electrical power to the heater, it will not work with devices that require a steady power supply. Maximum load is 1200 watts.
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ACCESSORIES

Model #	Description	US List Price	Model #	Description	US List Price
8203	Adapter for 10/18 Joints	\$43.00	8003	Quartz Probe Type-K T/C, 12"	\$274.00
8204	Adapter for 14/20 Joints	\$44.00	8004	Quartz Probe Type-J T/C, 12"	\$274.00
8205	Adapter for 19/22 Joints	\$49.00	8005	Quartz Probe Type-K T/C, 18"	\$309.00
8206	Adapter for 24/40 Joints	\$49.00	8007	Quartz Probe Type-J T/C, 24"	\$342.00
8303	Rigid S/S Probe Type-K T/C	\$124.00	8403	Bendable S/S Probe Type-K	\$106.00
8304	Rigid S/S Probe Type-J T/C	\$124.00	8404	Bendable S/S Probe Type-J	\$106.00
8306	Rigid S/S Probe Type-K T/C with Teflon® Coating	\$147.00	8503	Straight Extension Type-K, 130 cm long	\$43.00
8307	Rigid S/S Probe Type-J T/C with Teflon Coating	\$147.00	8504	Straight Extension Type-K, 130 cm long	\$43.00
			8505	Extendable Extension Type-K, 120 cm long	\$53.00